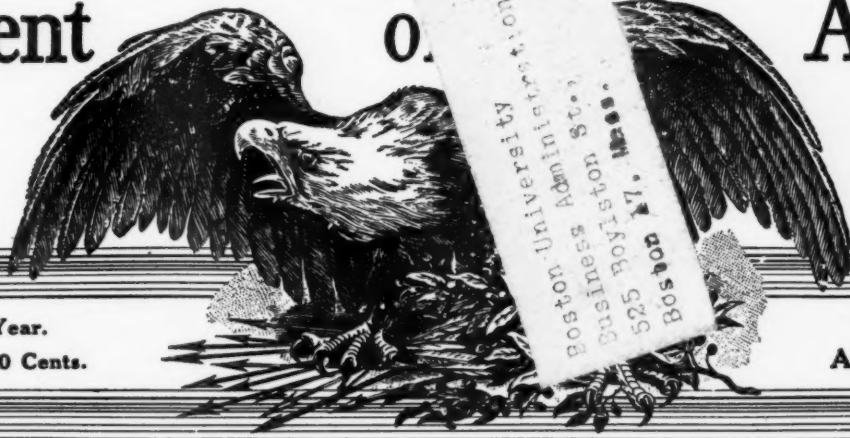


Manufacturers Record

Exponent of America



\$6.50 per Year.
Single Copy, 20 Cents.

Baltimore, Md.
AUGUST 2, 1928

An Empire Builder Needed.

This country has reached a position in its material affairs where great empire building enterprises become a matter of necessity. Herbert Hoover once claimed that the greatest undeveloped asset in America is its water potentialities, and in this he was doubtless right. We need to utilize all of our vast river, lake and sea coast transportation opportunities. We need to develop a complete coast-wise and inland transportation system; to develop to the utmost extent the vast power and transportation opportunities locked up in the Mississippi, the Ohio, the Tennessee, the Missouri, and all the other rivers that are tributary to the Mississippi from the Lakes to the Gulf. For the benefit of Western interests—and the development of the West would add to the prosperity of the whole country—we need to develop the proposed St. Lawrence Waterway, which would lower the cost of transportation from the West to Europe and at the same time develop vast hydroelectric powers.

The appropriation by the last session of Congress for safeguarding the Mississippi River from overflow is but the first step in the plan which will probably cost ultimately largely over a billion dollars. There are great water resources on the Pacific Coast to be utilized. The Panama Canal facilities must be expanded and the Nicaraguan Canal must be built.

Here are a few of the many empire building things this country faces, and which when carried out will enormously increase the prosperity and progress of the entire country. Every section will expand. The country as a whole will leap forward on a broader and higher plane of development than we have ever known. Billions of capital and millions of men will be brought into employment, not simply by the work that the Federal government must do, but by the activities which will be created by the great things that must be done by the Federal government. The government must also carry out on a large scale the erection of public buildings, for very little has been done in this line for ten or fifteen years. Instead of renting post office buildings erected by private capital, to be leased on long terms to the government, this country should erect its own public buildings, and in doing this it would add also to the general prosperity.

As a nation we must go forward on a more gigantic scale, for expansion in building, for construction work, for river and harbor improvement, for water transportation and all kindred activities, than we have ever dared to contemplate in the past. But what boundless prosperity, what vast expansion of business, what world influence will be created by the doing of these things! The money expended in such work will return to the nation annually a hundredfold in interest, by prosperity generated by these activities.

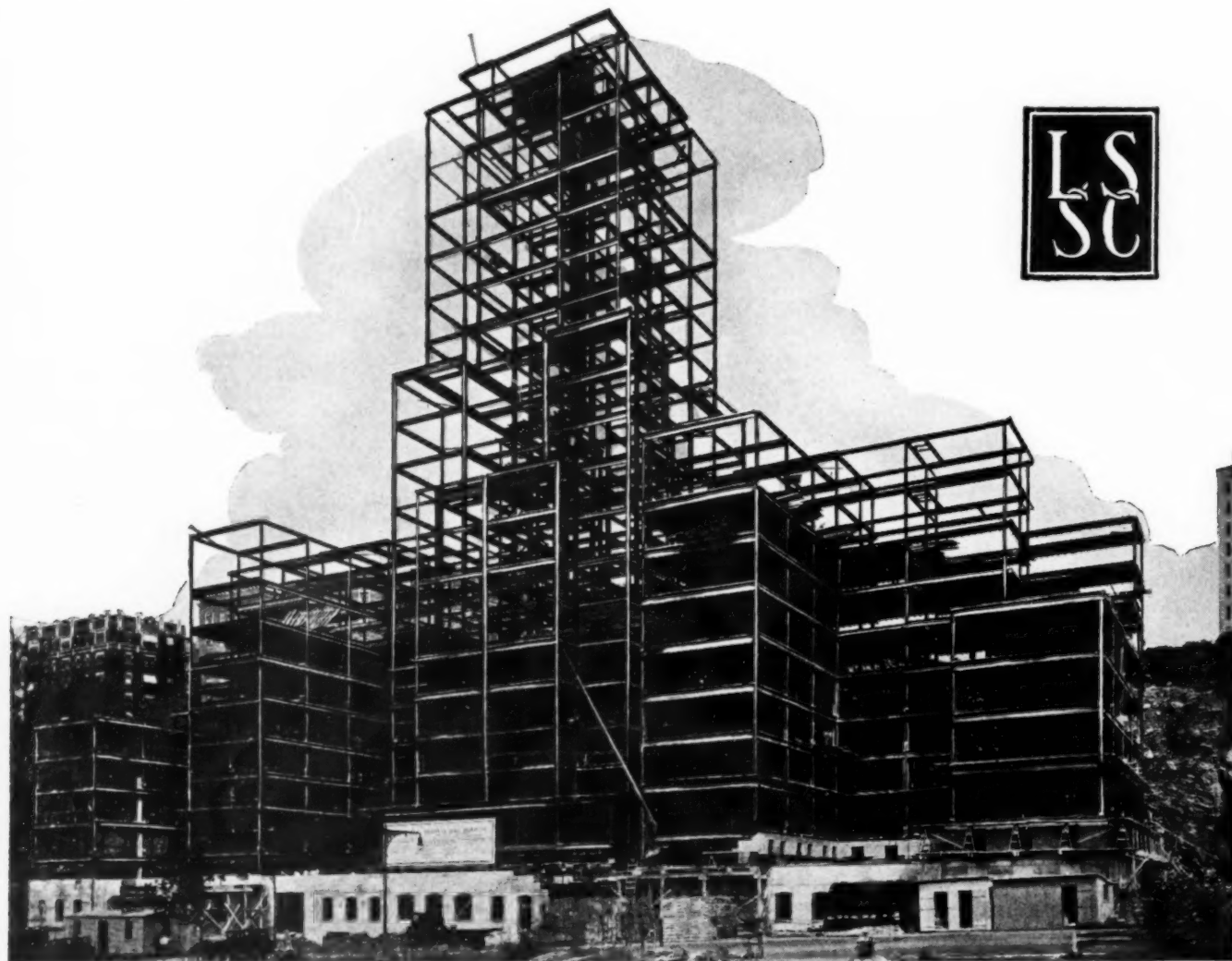
Who is the great constructive genius, of world-wide experience in work of this kind, to lead the nation under such conditions?

STEEL

protects the helpless

PROTECTION and complete safety — steel guards over the helpless by providing secure, safe construction of hospitals, sanitariums and similar institutions. In the particular case illustrated, Lehigh Steel was used throughout—1900 tons of it. The building is the Psychiatric Hospital, New York City. Guidone & Bottino, Inc., General Contractors; Sullivan W. Jones, State Architect.

For better, more secure construction, specify Lehigh Steel. Our engineers are at your service.



LEHIGH STRUCTURAL STEEL COMPANY

2525 Pennsylvania Ave. N. W., Washington, D. C.

NEW YORK

PHILADELPHIA

BOSTON

Works: Allentown, Pa.

Ⓔ2780

Entered as second-class matter at the Postoffice, Baltimore, Md., under the act of March 3, 1879.

Table of Contents

Baltimore, Md., August 2, 1928

An Empire Builder Needed.....Cover Page

EDITORIALS

Some Features of This Issue.....	59
The "Music of Progress" Heard Throughout the South.....	60
In Fiscal Year Ending June 30, 1928, the South Paid Federal Taxes Amounting to Over \$619,000,000.....	61
South's Share in Rail Shipments of 18 Chief Fruits and Vegetables.....	62
The Miners' Surrender Comes Too Late.....	62
How Democrats and Democratic Papers Fought Bryan in 1896—A Lesson for the Present	63
Democrats and Republicans Competing for Negro Votes.....	64
Record Foreign Capital Issues Offered American Investors.....	65
American Material for American Work.....	65
Enormous Business of Procter & Gamble Company.....	66
Free Whiskey—A True Story.....	66
Bishop Candler As an Ardent Prohibitionist.....	66

NEWS ARTICLES

Alabama Graphite and Its Far-Reaching Industrial Importance...By Poole Maynard	67
Sub-Contracts on \$2,000,000 Reynolds Building.....	71
260,000 Horsepower Hydro-Electric Development Projected.....	72
Completing Big Drainage District Near Clewiston, Fla.....	72
Chemical Research Work Opening Great Possibilities for Using Farm Products By Wheeler McMillen	73
Dairying in the Charleston, S. C., Section.....	74
Big Expansion Under Way by Texas Company.....	74
National Distribution Conference Held.....	75
\$2,950,000 Bond Election in Houston.....	75
Construction at Once of \$1,000,000 Oil Plant.....	75
Virginia's Agriculture Keeps Step With Industry.....By Jno R. Hutcheson	76
Baltimore & Ohio Buys Inter-Plant Railroad at Baltimore.....	79
Plans for \$1,750,000 Criminal Courts Building.....	79
\$1,250,000 Crisp County Power Project Let to Contract.....	79
To Begin \$9,000,000 Drainage Improvements.....	79
30,000-Kilowatt Unit for Parr Shoals Plant.....	107
\$1,000,000 Refractories Plant Proposed for Augusta, Ga.....	108

DEPARTMENTS

Letters From Our Readers.....	80	Construction	87
Textile	82	Want Section.....	104
Iron, Steel and Metal Market.....	83	Industrial News of Interest.....	106
Good Roads and Streets.....	85	Trade Literature.....	106
New and Improved Equipment.....	86	Financial News.....	110

Manufacturers Record

RICHARD H. EDMONDS, Editor

PUBLISHED EVERY THURSDAY BY THE

MANUFACTURERS RECORD PUBLISHING CO.

Office: Manufacturers Record Building, corner Commerce and Water Streets, Baltimore, Maryland

Printing Plant, 8th Floor, Candler Building, Market Place and Lombard Street, Baltimore, Maryland

RICHARD H. EDMONDS, President; FRANK GOULD, First Vice-President; VICTOR H. POWER, Second Vice-President;
I. S. FIELD, Secretary; J. ROBERT GOULD, Treasurer

BRANCH OFFICES:

CHICAGO, 11 South La Salle Street

CINCINNATI, 333 Dixie Terminal Building

NEW YORK, 901 Singer Building

SUBSCRIPTION RATES:

\$6.50 a year (in advance); six months, \$3.50; three months, \$2 to United States, Mexico, Cuba, Porto Rico, Hawaii and the Philippines. For Canada add postage \$2 a year. For other foreign countries add postage \$5.50 a year. Back numbers, if available and not over one month old, 20 cents each. From one month to six months old, 50 cents each; over six months old, \$1 each. In ordering change of address, give old as well as new address.

MEMBER ASSOCIATED BUSINESS PAPERS, INC., AND AUDIT BUREAU OF CIRCULATIONS

TWO POINTS TO DRIVE HOME
Only PRODUCTION Registers
on a Counter



Only PRODUCTION Registers
with You
Write for Counter Booklets

Yeeder-ROOT INCORPORATED
HARTFORD, CONN.

YELLOW STRAND WIRE ROPE

made exclusively of specially drawn,
imported steel wire, and produced by
a company which has made wire rope
for over 50 years. Get Catalog 85.

BRODERICK & BASCOM ROPE CO.
New York ST. LOUIS Seattle

TRADE **"LEADITE"** MARK
Registered U. S. Patent Office

For Jointing Cast-Iron Water Mains
Saves at Least 75%

Leadite Tested and Used for Over 30 Years

Leadite Joints Improve with Age

The Leadite Co., Land Title Building, Philadelphia, Pa.
See our full page ad second issue each month

NO CAULKING



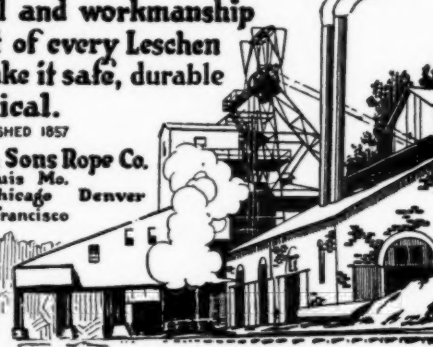
**CRANES
BUCKETS
SHOVELS**

ORTON 608 S. Dearborn St.
CRANE & SHOVEL CO. Chicago - Illinois

**INDUSTRIAL
LUMBER COMPANY, INC.**
MANUFACTURERS OF
**CALCASIEU LONG
LEAF YELLOW PINE**
"THE SUPREME STRUCTURAL
WOOD OF THE WORLD"
**ELIZABETH
LOUISIANA**

LESCHEN WIRE ROPE
The material and workmanship
that is a part of every Leschen
Wire Rope, make it safe, durable
and economical.
ESTABLISHED 1857
A. Leschen & Sons Rope Co.
St. Louis Mo.
New York Chicago Denver
San Francisco

All Leschen
Steel Wire Rope
is made of
Acid OpenHearth
Steel Wire



ASHLAND
FIRE BRICK

The man who uses sized Ashland
Fire Brick of Kentucky flint clay
isn't worried by fallen arches and
cracked brick work.

ASHLAND FIRE BRICK CO.
Inc. ASHLAND, KENTUCKY 1886

Agencies in Principal Cities **Waterous** Dependable Send for our Complete Catalog

**ROTARY
PUMPS** **FIRE
HYDRANTS**

WATEROUS COMPANY
ST. PAUL, MINNESOTA
Agents in principal cities

Manufacturers Record

EXPONENT OF AMERICA

Devoted to the Upbuilding of the Nation Through the Development
of the South and Southwest as the Nation's Greatest Material Asset

Trade-Name Registered in the U. S. Patent Office

Vol. XCIV No. 5 }
Weekly. }

BALTIMORE, AUGUST 2, 1928.

{ Single Copies, 20 Cents.
\$6.50 a Year. }

Some Features of This Issue.

Graphite as an Essential Raw Material and the South's ability to Supply the American Market.

World deposits of graphite of any real importance are relatively few, and most of them are far distant from great markets. Apparently then graphite is a commodity which has the world for its markets. According to the U. S. Geological Survey, Alabama graphite deposits are considered the only crystalline flake deposits of prime importance in the continents of either North or South America.

Such are the opening statements in an article of great importance by Dr. Poole Maynard, Industrial Geologist of Atlanta. Dr. Maynard, who has made a thorough study of the graphite deposits of Alabama, discusses this great resource of that State and its importance to the United States. As to why these deposits have not been adequately developed, Dr. Maynard points out that the history of protection in this country has been largely confined to manufacturing industries and not to the producers of raw materials.

For years the MANUFACTURERS RECORD has fought to secure protection on the South's raw materials, but Southern congressmen have to a large extent been responsible for stabbing the raw material industries of the South in the back by refusing to co-operate in giving protection to raw materials. In this respect Southern legislators have tremendously hampered and halted the progress of their own section.

Limitless Possibilities for Benefit to Agriculture Through Chemical Research Work.

In a recent issue was published a comprehensive article on solar energy as being one of the greatest assets of the South in producing quick growth and an abundance of vegetation from which could be obtained vast quantities of cellulosic raw materials for the building of a great industry. This week Wheeler McMillen tells how chemical research work will open great possibilities for using farm products. He points out that the development of new industrial uses for farm raw materials strikes at one of the very centers of the farm problem, and says:

"The organic chemical industries have shown clearly the potentialities. The soil can be made to yield vast annual supplies of cellulose, starch, oils and fats, protein and sugar. The agricultural output can as well be measured in these terms as in terms of cotton, corn, livestock and wheat. If enough of the factories of America begin looking to the farms for their raw materials, the problem of adequate markets will be solved.

"Research to increase the industrial demand for farm products offers more promise to agriculture than any other single proposal that has been advanced."

\$619,000,000 Federal Taxes Paid Last Fiscal Year by the South.

Without any reflection whatever upon New England, which paid \$171,062,438 to the Federal treasury during the last fiscal year, it is interesting to note that North Carolina alone paid \$225,316,160, or \$54,000,000 more than all New England.

This, of course, is largely due to the enormous tobacco business of North Carolina. Nevertheless, it is the creation of that industry that has brought such heavy Federal taxes to the Government.

The South as a whole paid Federal taxes of over \$619,000,000. North Carolina stood third on the list of states, having been exceeded only by New York and Pennsylvania. Pennsylvania, like North Carolina, also has a heavy tobacco business. Illinois with the vast wealth of Chicago paid \$3,000,000 less in Federal taxes than North Carolina. Interesting details showing the taxes paid by states are given elsewhere.

Interesting Facts Regarding the Great Political Campaign of 1896.

Today the entire country is studying the political situation with an intensity which has not prevailed since 1896 when Bryan made his tremendous whirlwind campaign for free silver.

Every man and woman in the country seems bent on studying or discussing the present political situation. It is an economic problem with many other phases involved. For this reason the MANUFACTURERS RECORD has summed up a few interesting facts in regard to the position of many Southern papers and of many outstanding Democrats who in 1896 vigorously fought Mr. Bryan's campaign, and yet were not regarded as having stepped outside of the precincts of the Democratic party. Regardless of what views one may hold on the coming election, these facts in regard to the 1896 campaign will be of interest to every thoughtful man.

Virginia Stands Forth As a Leader in Betterment of Agricultural Conditions.

Industrial Virginia has attained prominence and is attracting much attention but John R. Hutcheson, writing in this issue, would not have us overlook the fact that the Old Dominion is also one of the most important agricultural

states east of the Mississippi River. He shows that Virginia's agriculture keeps step with its industrial development and describes the effects of a five-year program involving—(1) the production of sufficient food for the family and feed for the livestock. (2) More economical methods of production. (3) The fitting of production to consumption. (4) Better methods of marketing. Virginia's agricultural leaders did not stop with outlining the program but specific recommendations and practical methods for bringing about these conditions were carefully worked out.

The "Music of Progress" Heard Throughout the South.

"WHEREVER we traveled we heard the music of progress—the throb of the locomotive, the roar of the furnace, the whirl of the spindle." So wrote Frederick L. Taylor, a New York banker, to the MANUFACTURERS RECORD after a trip through the South many years ago. At that time the South had less than one-third of the number of spindles it now has whirring in its cotton mills. Its furnaces were small and inadequate as compared with the magnificent furnaces of today. In contrast with the vast steel operations of the present it had no steel industry. Its locomotives were small in size and few in number as compared with the great locomotives, giant in size and now almost without limit in number as compared with former years.

"The music of progress—the throb of the locomotive, the roar of the furnace, the whirl of the spindle"—today is heard throughout the South as never before, and the movement is still but half begun. Every week shows a variety and extent of new activities in the South which indicate that the predictions of Mr. Taylor and many others made in those early days are being more than fulfilled.

In every State the number of new industries being established by local people and by industrial leaders from other parts of the country, shows that we are only at the beginning of a period of development and of progress far greater than any enthusiast would have dared to predict 15 or 20 years ago. It is entirely safe now to say that the progress of the South in material things and in educational advancement, during the next ten years will far exceed all that has been accomplished in the past 25 years.

The Mississippi Power Company, associated with the Alabama Power Company, Birmingham, has been granted a temporary permit for a hydro-electric project on the Tennessee River in the vicinity of Muscle Shoals, to produce initially 100,000 horsepower, and ultimately 260,000 horsepower. This development will form an important link in inland transportation.

Construction and equipment contracts were let last week for the \$1,250,000 hydro-electric power project on the Flint River for the Crisp County Power Commission, Cordele, Ga.

A 30,000-kilowatt extension is being made to the Harrah, Okla., power station of the Oklahoma Gas and Electric Company, bringing the total capacity to 65,000 kilowatts.

The Gasconade River Power Company, Kansas City, Mo., has been granted a Federal permit for a 25,000 horsepower hydro-electric project.

The Central Power and Light Company, San Antonio, awarded contracts for a hydro-electric project on Devils River in Val Verde County, Texas.

Contracts have been let for the erection of two 15,000-spindle mills at Albertville and Guntersville, Alabama, for the Saratoga-Victory Mills Company, Inc., a subsidiary of the American Manufacturing Company, Brooklyn, N. Y., capitalized at more than \$13,000,000. The contract calls for a mill village at each plant.

Bids will be received August 6 for the construction of a rayon plant at Covington, Va., estimated to cost \$10,000,000, for the Industrial Rayon Corporation, Cleveland, Ohio, J. E. Sirrine & Co., Greenville, S. C., engineers.

Bids were opened last week by Lockwood, Greene & Co., engineers, for the first \$4,000,000 unit of a rayon plant for the American Chatillon Corporation, New York, to be erected at

Rome, Ga. Work on the foundation is already under way and some contracts for materials have been let.

The Aragon-Baldwin Cotton Mills, Inc., Whitmire, S. C., will award contracts this month for a 4-story addition to its mill building.

The Sinclair Pipe Line Co., jointly owned by the Sinclair Consolidated Oil Corporation and the Standard Oil Company of Indiana, is reported to plan doubling its pipe line facilities from the Mid-Continent oil fields to Chicago at a cost of \$15,000,000.

Work will begin shortly on a plant, necessitating an investment of about \$750,000, for Standard Looms, Inc., Spartanburg, S. C., for the manufacture of textile looms and complementary machinery.

Contracts involving more than 4,000,000 cubic yards of levee construction to cost approximately \$1,250,000, have been awarded by the Mississippi River Commission, Memphis, Tenn., for the first and second districts. On August 6 the Mississippi River Commission at New Orleans will open bids for levee construction totaling 6,300,000 cubic yards in the fourth district.

Charles E. Starr, Philadelphia, and associates plan erecting a \$750,000 artificial gas plant at Miami Beach, Fla.

Hidalgo County Water Improvement District No. 2, San Juan, Tex., plans issuing \$3,000,000 bonds for drainage and irrigation facilities.

The Atlantic Gas Co., Philadelphia, awarded contracts for a gas plant and distribution system to serve Lexington and Thomasville, N. C.

A \$3,000,000 improvement program has been decided upon for Walter Reed Hospital, Washington.

Contracts for the erection of the \$750,000 Plaza Hotel at Corpus Christi, Tex., have been let.

Work has started on the \$550,000 hotel at Port Arthur, Tex., for the Marine Hotel Co.

Bids will soon be received by the Union Professional Building Corporation, Durham, N. C., for the erection of a \$500,000 medical arts building.

The Houston (Tex.) Theater Corporation will soon receive bids for the erection of a \$2,350,000 theater and office building.

A 30,000-kilowatt unit is to be installed at the Parr Shoals steam station of the Broad River Power Company, at Columbia, S. C., a General Gas & Electric Corporation subsidiary, bringing the total generating capacity to 72,500 kilowatts.

The Southern Pacific Lines, Houston, are having plans and specifications prepared for passenger terminal facilities at Houston, estimated to involve an expenditure of \$10,000,000. The City Council has called an election August 25 on a bond issue of \$2,950,000 for the rearrangement of streets and traffic arteries preliminary to the construction of the station.

Construction is under way on a \$1,000,000 19-story hotel for the Edson Hotel Co., Beaumont.

Baylor University, Waco, Tex., has started a campaign to raise \$2,000,000 for new buildings, endowment, etc.

Frank Benson and associates of Shreveport, plan erecting an 8-story medical arts building at Baton Rouge, La.

Contracts have been awarded for the erection of a \$1,500,000 United States Veterans Bureau Hospital at Alexandria, La., the N. P. Severin Company, Chicago, receiving the general contract.

The Oklahoma Hotel Building Co., Oklahoma City, proposes erecting a \$4,000,000 hotel and garage in Oklahoma City.

These are but a few of the outstanding developments mentioned in the MANUFACTURERS RECORD this week.

In Fiscal Year Ending June 30, 1928, the South Paid Federal Taxes Amounting to Over \$619,000,000.

NORTH CAROLINA paid to the Federal Government during the fiscal year ending June 30, 1928, a total of \$225,316,160, having been exceeded only by New York and Pennsylvania. It outranked Illinois by \$3,300,000, which was fourth on the list, and California by \$88,000,000. The total tax paid by Michigan was \$173,978,590, a decrease of \$24,000,000 compared with the fiscal year ending June 30, 1927, while North Carolina during the same period made an increase of \$19,600,000. As much of Michigan's heavy payment of income tax is due to the tax on automobiles and to the enormous prosperity created by the automobile industry, so much of North Carolina's heavy payment of taxes is due to the tobacco industry. As indicating the magnitude of the taxes paid by North Carolina, it may be fair to contrast the amount paid by that State with the total paid by all of New England, which figures up as follows:

FEDERAL TAX PAID BY NEW ENGLAND.	
Maine	\$8,469,593
New Hampshire	3,994,449
Vermont	2,302,703
Massachusetts	105,424,302
Rhode Island	14,770,430
Connecticut	36,100,961
Total	\$171,062,438

These figures show that the one State of North Carolina paid \$54,253,722 more to the Federal Government than the total paid by the New England States.

In the Southern States Virginia stood next to North Carolina with a total of Federal taxes of \$83,663,811.

In Florida there was a very large decrease amounting to about \$21,000,000 in 1928 as compared with 1927. This was the natural result of the collapse of town lot speculation, and yet even under the adverse conditions prevailing in that State following this reaction Florida paid to the Federal Government over \$4,000,000 more than Kansas, more than three times as much as the State of Oregon, \$8,000,000 more than Rhode Island and \$10,000,000 more than Washington, including Alaska.

The income of the Federal Government for the fiscal year ending June 30, 1928, decreased by 2.61 per cent as compared with that of the preceding year, or from \$2,865,695,509 in 1927 to \$2,790,906,885 in 1928. Declines were general, being registered in 36 states, of which 12 were in the South. Of the Southern States, Florida showed the greatest decrease, returns falling from \$44,484,163 in 1927 to \$23,474,626 in 1928. A large part of the wealth taxed in New York is produced in the other 47 States but flows to the nation's financial capital because of the location there of the main offices of many great corporations that produce nothing in the State of New York, but pay their taxes as of that State because the main offices are in New York City.

Texas paid \$47,588,958 as compared with a total of \$44,436,925 from the 8 States of New Mexico, Colorado, Kansas, Nebraska, Wyoming, Montana, North Dakota and South Dakota, lying to the north of it. Texas in turn is topped by Maryland with \$48,497,718, Missouri with \$65,086,310. There are 17 of the other 32 States whose individual contributions are less than that of Georgia, 20 whose taxes are smaller than that of Kentucky, and 24 of the 32 with returns smaller than that of Virginia. Mississippi, whose returns for the year were \$2,760,433 or less by over a million dollars than those for any other Southern State, contributed

more to the Federal income than any one of eight of the other 32 States.

TOTAL RECEIPTS BY FEDERAL GOVERNMENT OF INCOME AND MISCELLANEOUS TAXES, BY STATES.

	Fiscal year 1926-27	Fiscal year 1927-28
The South		
Alabama	\$10,984,889	\$8,648,534
Arkansas	5,258,433	4,332,823
Florida	44,484,163	23,474,626
Georgia	14,277,094	14,183,690
Kentucky	27,692,769	24,013,523
Louisiana	17,479,589	14,219,709
Maryland	50,709,186	48,497,718
Mississippi	3,460,322	2,760,433
Missouri	70,301,693	65,086,310
North Carolina	205,648,102	225,316,160
Oklahoma	23,624,450	20,514,932
South Carolina	4,075,361	3,897,502
Tennessee	17,811,884	17,836,592
Texas	44,959,331	47,588,958
Virginia	79,160,085	83,663,811
West Virginia	18,357,392	15,882,967
	\$638,284,743	\$619,918,288
All Other States		
Arizona	\$1,737,072	\$1,920,173
California	139,517,056	137,232,419
Colorado	13,473,975	11,880,503
Connecticut	36,096,193	36,100,961
Delaware	15,375,653	21,017,644
Hawaii	5,330,995	6,254,381
Idaho	1,477,778	1,144,431
Illinois	217,386,545	222,029,673
Indiana	36,114,729	34,694,786
Iowa	12,666,691	11,984,881
Kansas	20,213,654	19,306,202
Maine	10,466,033	8,469,593
Massachusetts	114,751,479	105,424,302
Michigan	197,993,492	173,978,590
Minnesota	28,441,784	27,846,811
Montana	4,331,433	2,978,494
Nebraska	6,174,774	5,741,354
Nevada	583,989	802,773
New Hampshire	3,503,974	3,994,449
New Jersey	113,962,733	105,603,173
New Mexico	679,923	788,576
New York	755,003,151	753,263,608
North Dakota	798,560	789,520
Ohio	147,428,797	139,713,839
Oregon	6,711,766	6,109,382
Pennsylvania	258,763,862	246,742,797
Rhode Island	13,707,887	14,770,430
South Dakota	822,963	745,391
Utah	3,923,101	3,771,438
Vermont	2,820,457	2,302,703
Washington	14,002,438	12,889,782
Wisconsin	40,839,728	48,151,685
Wyoming	1,884,709	2,166,885
Philippine Islands	354,084	352,679
Sale of documentary stamps by postmasters	35,417
Internal Revenue receipts through customs offices	33,825	19,266
United States	\$2,865,695,509	\$2,790,906,885

A POSSIBLE RUBBER-SOURCE PLANT.

C. V. BOYKIN, general manager of the Charleston Dry Dock & Machine Company, Charleston, S. C., referring to the statement from Mr. Edison, printed in this paper, that he was hunting throughout the South for plants containing rubber, writes:

"I feel convinced that we have a water plant growing in our abandoned rice fields which has a certain amount of rubber. I am very much interested in this and I will be very glad to send samples to any one whom you may suggest. This plant grows wild in great profusion in the low country of South Carolina, and it may be of some value."

"TAMMANIZATION."

W. A. WHITE, editor of the Emporia, Kan., Gazette, in a letter to the MANUFACTURERS RECORD says:

"It seems to me that the Tammanization of America is the issue."

SOUTH'S SHARE IN RAIL SHIPMENTS OF 18 CHIEF FRUITS AND VEGETABLES.

WHAT contribution does the South make to the fresh fruit and vegetable supply of the principal consuming centers of the nation? The question is answered in Bulletin No. 31, "Unloads of Fresh Fruits and Vegetables at Sixty-Six Important Consuming Markets in the United States," recently published by the Bureau of Railway Economics.

The bureau selected 18 commodities, classified under five main headings: Deciduous Fruits, Citrus Fruits, Strawberries, Melons and Vegetables; drew up a list of the 66 chief consuming centers, and proceeded to trace to its source every carload of the 18 selected commodities received in every one of those 66 cities. The following table, condensed from a more detailed table in the bulletin, shows the numbers of carloads of the main divisions of the list received in every one of the 66 cities, together with the States of origin. It should be borne in mind that these figures are not for production, but only for commodities shipped in carloads to these 66 cities. They include about 65 per cent of total shipments of these 18 commodities. Fruits and vegetables shipped to other cities, or in less than carload lots to local markets, do not appear in the tabulation. The table follows:

State of Origin	CARLOADS, YEAR 1927.					Total 18 Commodities
	Deciduous Fruits (apples, grapes, peaches, pears, plums, and prunes)	Citrus Fruits (grapefruit, lemons, oranges)	Strawberries	Melons (cantaloupes, watermelons)	Vegetables (cabbage, celery, lettuce, onions, white potatoes, sweet potatoes, tomatoes)	
Alabama	82	259	703	976	3,328	5,348
Arkansas	1,124	8*	1,201	634	987	3,946
Florida	32,226	8*	650	5,614	21,152	59,650
Georgia	10,099		2	10,276	1,027	21,404
Kentucky	162		703		1,010	1,875
Louisiana		138	1,349	60	2,263	3,810
Maryland	1,069		1,029	1,114	4,026	7,238
Mississippi	1	6	44	15	4,240	4,306
Missouri	611		1,095	300	1,160	3,166
North Carolina	1,595		1,877	1,223	6,199	10,894
Oklahoma	77		14	261	1,369	1,721
South Carolina	438		29	2,726	5,060	8,253
Tennessee	243		1,643	39	6,042	7,967
Texas	173	488	83	2,539	11,781	15,064
Virginia	4,012		877	326	22,431	27,646
West Virginia	2,066				109	2,175
Total South	21,760	33,117	11,299	26,103	92,184	184,463
California	73,897	46,470	128	21,431	41,683	183,609
Total U. S.	153,200	79,866	12,689	56,380	281,846	583,981
Per cent of total from South	14.2	41.5	89.0	46.3	32.7	31.6
Per cent of total from Califor'n.	48.2	58.3	1.0	38.2	14.8	31.5

Florida, Georgia, North Carolina, Texas and Virginia are the outstanding Southern States in the tabulation.

Florida's two largest crops are grapefruit and oranges. These two account for 32,226 carloads in a total of 59,650. The other 27,424 cars are composed of a considerable diversity of vegetables, including 5,591 carloads of watermelons, 6,136 carloads of celery, 4,411 carloads of white potatoes and 8,383 carloads of tomatoes. Florida shipped more celery and more tomatoes than any other State in the Union.

Georgia's largest shipments were of watermelons—10,193 carloads as compared with 5,591 from Florida, her nearest competitor. Next in point of carloads for Georgia came peaches, with 9,883.

North Carolina led the nation in shipments of strawberries with 1,877 carloads, while Tennessee was a close second with 1,643 carloads. Other important items for the State were 1,592 carloads of peaches and 5,233 of white potatoes, while sweet potatoes, watermelons and lettuce added 1,686 cars.

Texas grapefruit and oranges are beginning to become noticeable, the State having shipped 468 carloads of the former and 10 of the latter. The bulk of that State's ship-

ments in the list were cabbage, 3,564 carloads; onions, 3,427 carloads, white potatoes, 1,869 carloads and tomatoes, 2,510 carloads.

Virginia stood second to Maine in shipments of white potatoes, having shipped 15,296 cars compared with 26,555 from Maine, but lead all States in shipments of sweet potatoes with 4,108 carloads. Other important shipments from the State were 2,542 carloads of cabbage and 3,660 carloads of apples.

The most striking feature of the list is the enormous total of shipments from California, standing three times as large as those from Florida, the second largest shipper, and almost equalling those of the 16 Southern States combined. California shipped a total of 183,609 carloads of all 18 of the products listed, while the South shipped 184,463 or only 854 more. These figures, it should be pointed out, do not include California's enormous shipments of canned fruits and vegetables. Such a total from a State having only a fraction of the area and population of the South, with a soil and climate better or inferior according to the allegiance of the speaker, should serve to show the South what can be done by scientific cultivation and intelligent co-operation. As the little boy said to his bantam hens when he set an ostrich egg before them—"keep your eyes on that and keep on trying."

THE MINERS' SURRENDER COMES TOO LATE.

AFTER a long struggle to win an impossible fight, the United Mine Workers of America has announced the abandonment of the Jacksonville agreement and given permission to each district organization to effect its own wage settlement with the soft coal operators. The surrender of the United Mine Workers comes too late. The independent miners already had long before completely won the fight for independence in mining operations and the independent mines had supplied nearly all the coal needs of the entire country.

If it had not been for these independent coal operators and these independent miners this country would have suffered a disastrous situation by reason of the strike forced on the union districts for an impossible mining rate. The struggle was waged with great bitterness on the part of the miners and their union. In every possible way propaganda was spread broadcast through the country as though the coal operators had definitely united in order to starve out the miners. Intelligent men familiar with the situation knew this was not true. They knew that these operators could not possibly pay the rate demanded and still remain in business. All the "sob" stories put out through many newspapers in regard to the desperate straits of these miners entirely omitted to recognize the fact that the miners themselves and the miners' union were wholly responsible for their condition.

POOR CLEM.

WHEN Clem Shaver, who was chairman of the Democratic Convention at Houston, read the letter that Mrs. Shaver sent to the Dry Convention at Asheville he must have felt like digging a hole and crawling into it. Surely she did roast the Democrats who yielded to the blandishments of the wet interests, and denounced them with a scathing power rarely surpassed. If any one wants to read a real letter from a woman of ability who knew how to express her opinion in regard to the surrender of the Democratic politicians at Houston, he can have some fun studying Mrs. Shaver's letter. As a bit of writing it is a gem.

How Democrats and Democratic Papers Fought Byran in 1896—a Lesson for the Present.

IN 1896 a great many Democrats throughout the South refused to accept Bryan and his free silver platform and made an aggressive campaign against him. With all of the power of his superb oratory and his wonderful magnetism, Bryan could not win the votes of the men who were opposed to free silver and who came out boldly in a fight against him. And yet in those days nobody thought of putting them out of the Democratic party. No Democratic machine presumed to say that these business leaders in the South were not Democrats and could not take part in Democratic primaries in future years.

At that time, Joseph Bryan, one of Richmond's really great business leaders, was owner of the Richmond Times. Mr. Bryan, promptly, through the whole force of his personality and of that paper opposed the Democratic nominee. In its issue of July 11, 1896, Bryan having been nominated on July 10, the Richmond Times editorially said:

"The grief which the action of the Chicago convention has been to us can only be understood by those who have the principles of Democracy permeating their moral and intellectual being. * * * Our worst fears have not only been realized, but new and horrible doctrines have been added in the Chicago platform, which cannot possibly bind a Democrat who is unwilling to abandon the fundamental principles of his party.

"In view of this condition, it is impossible for the Times to advocate the election of men who, though passing under the name of Democrats, are not only pledged to destroy our financial system—to bring disaster and ruin upon our people, in the hope that a general wreck may benefit a few—but who avow the purpose to overturn the courts—the palladium of honest government.

"We do not mean to advise anyone about his vote. As to those who voted in the primary, each one must judge the extent of his own obligation, in view of the extraordinary developments at Chicago.

"We shall continue to declare Democratic principles and to illustrate them to the best of our ability, irrespective of the Chicago manifesto of Tillman, Altgeld & Co."

In the Times of July 19 there appeared the following letter, with a reply by the editor:

"Sir.—I am puzzled at your position. If you do not agree with any proposition set forth by the Democratic convention, and will not only not vote for the nominee but will do all you can to defeat them, why do you pose as a Democratic paper? Either claim independence in politics, or for McKinley in this campaign. Your premises are so inconsistent that I feel constrained to yet you know how one feels who is not a politician, or one who can at least detect fairness in argument and covert insinuation. You are all one-sided, seeing nothing good either in purpose or fulfillment of the proposition of others differing from you, yet admitting that the financial question is intricate and difficult to be understood. Therefore, you either arrogate to yourself a wonderful capacity to grasp the great problem, or you should be charitable enough not to charge anarchism and dishonest purpose on the part of those who heartily agree with the Chicago platform and its nominees. Adverse to your judgment, we have a strong candidate, a popular platform, and if false impressions are not lodged in the minds of the people by a designing press, seeing only the narrow cast of the bondholding rich, yet claiming to champion the cause of the producing multitude, thus misleading many, overwhelming success will follow the Democratic ticket, and a new era of confidence and prosperity bless our land.

"W. S. C."

The editorial reply was as follows:

"Party organizations cannot change established principles of government which are as permanent as any laws of nature.

"If a body of men calling themselves Democrats pass resolutions declaring certain purposes which they wish to carry out are in accordance with Democratic principles, it no more makes them so than if they had declared that water runs up hill. The Times has been, is now and will continue to be

Democratic, because those who control its utterances believe with all their hearts in Democratic principles; but, the Times indignantly rejects the Chicago platform as an exposition of Democratic principles entirely irrespective of its free-silver plank. A man may conscientiously and earnestly believe in free silver and at the same time be an earnest Democrat, but we do not see how any man can sincerely believe all the doctrines of the Chicago platform and be an earnest Democrat."

On July 31 the Times published the following:

"Amherst C. H., Va., July 30—[Special.]—Harry Tucker went down this afternoon before the free silver sentiment and the personal candidacy of H. D. Flood for the congressional nomination in the 10th district. Upon adoption by the convention of the Chicago platform, Mr. Tucker appeared before the convention and formally declared that he could not run on the platform and withdrew from the contest, thus leaving the coast clear for Flood."

The Sound Money League in Richmond said: "No person who intends to vote for any candidate who approves and adopts the Chicago platform is desired as a member."

The Times commented: "The Times wishes to say that the present movement has its heartiest endorsement. It does not see how a true Democrat can support any man who stands on the platform adopted at Chicago, though it has no word of criticism or condemnation for any who do. All we say, though, is that we cannot understand how it can be done. The Times hopes every Democrat in Richmond will join in the new movement."

A call was issued for a State convention to elect delegates to the national convention in Indianapolis (the gold convention) and for organizing in Virginia: "The representatives of the Democratic party who met in convention in Chicago on the seventh day of July 'having been betrayed into a false creed and a false leadership,' etc., said the Times.

This state convention was held August 27 and on September 3 the Gold ticket was named.

It is interesting to recall these vigorous statements by Mr. Bryan through the Times, because at the present time his son, who is the owner of the News-Leader, of Richmond, is vigorously fighting the disposition of many Virginia people to refuse to stand by the Houston nominee and throughout the South the newspapers and the politicians are discussing the situation as though the bolting of a party nominee was never before known. Only the uninformed are deceived by such statements as these.

On July 14, 1896, Secretary Herbert of the Navy and Assistant Secretary C. S. Hamlin of the Treasury Department came out against the Chicago platform and its candidates.

On July 17, the Richmond Times said that in 1895 at Birmingham, Ala., Bryan "openly declared that he would bolt the Democratic nomination unless the candidate suited him."

On July 15, the Executive Committee of the New York State Democracy repudiated the platform and nominees of 1896 as follows:

"Resolved, That we hereby repudiate and condemn the revolutionary and un-Democratic platform adopted at the so-called Democratic convention held in Chicago."

Commenting on this, the Richmond Times said:

"This is an admirable and most forcible statement of objections to the platform and it is to be borne in mind that it is not the work of Republicans, but of lifelong, straightforward Democrats. * * * If this platform is to constitute a test of Democracy, there will be very few of the old-time Democrats who will be Democrats hereafter."

On July 15, commenting on the death of Governor Russell of Massachusetts, the Times said:

"Democracy may have another calamity to add to its mis-

fortunes. The greatest of all will be the ratification by the people of the atrocious Chicago platform. Shall this befall us?"

The Baltimore News, under the editorship of Charles H. Grasty, then one of the foremost independent Democratic papers of the country, fought the Bryan campaign with unceasing activity until the day of election and so did the Baltimore Sun.

S. Davies Warfield, afterward president of the Seaboard Air Line and then Postmaster of Baltimore, having been appointed by President Cleveland, and a Democrat of Democrats, helped to organize the gold movement in Maryland and made an aggressive campaign against Bryan and his free silver campaign.

Among other Southern papers which opposed the Bryan candidacy and the platform, as quoted in the Richmond Times, were: Huntsville (Ala.) Tribune; Nashville Banner; Montgomery Advertiser; Charleston (W. Va.) Patriot; Galveston News; Louisville Courier-Journal; Louisville Times; Wesson (Miss.) Mirror; Memphis Herald; Staunton News and Frankfort (Ky.) Capital.

Among these quotations from the Times was one from the Greenville (Miss.) Times, which said:

"In the Chicago convention, the hydra that is winding its folds about the Democratic party has shown its head at last, and it is well that its victims should be warned in time, before it is helpless in the folds."

The hydra that is now winding its folds around the Democratic party is Tammany.

The Times quoted vigorous denunciations by these and other Southern papers of the Chicago platform and the candidacy of Mr. Bryan.

It is interesting to recall the Bryan campaign in connection with the Smith campaign. Bryan was running on a free silver platform and, while there were thousands of people who believed in bimetallism on an international basis, they could not accept Mr. Bryan's theory of free silver on a basis of 16 to 1, with the United States standing alone. These men had the courage of their convictions. They preferred to vote against the nominee of their own party. They bolted Mr. Bryan and the Democratic party. Bryan was a far greater orator than is Governor Smith. He had far more winning ways. His cause was one which he honestly believed would lift the tremendous burden of poverty and depression from the agricultural interests of America, for between 1892 and 1896 the poverty of American farmers was indescribably great. Industrial interests were prostrated as well as agriculture.

The fight of Governor Smith is a fight against Prohibition—the greatest governmental, moral and economic movement ever made for the betterment of mankind. It is a fight in which the combined liquor interests of the world are helping in order to see the downfall of Prohibition in America, because, with Prohibition permanently established as an American principle, all the prohibition forces of all other nations of the world which are fighting the liquor interests would be tremendously encouraged. The defeat of Governor Smith will have a worldwide influence on Prohibition as an economic and moral issue. His success would be hailed throughout the world as a victory for the liquor interests, whose joy would be beyond the power of words to express.

Obedience to law is the test of a nation's right to live.

Governor Smith has been a great power in New York in bringing about disobedience to law and in encouraging law violation, and he stands today with Raskob, chairman of his campaign committee, as an outstanding influence in the world against Prohibition, to which Mr. Raskob refers as "the damnable affliction of Prohibition."

In the face of such an issue no man or woman should for

one moment feel that to be true to their Democracy they must vote for a candidate who immediately upon his nomination kicked the platform overboard by coming straight out against its Prohibition plank.

DEMOCRATS AND REPUBLICANS COMPETING FOR NEGRO VOTES.

A GEORGIA railroad official sends to the MANUFACTURERS RECORD a statement issued by Mr. Raskob, chairman of the Democratic Campaign Committee, in which Mr. Raskob said:

"I have never been officially affiliated with either the Republican or Democratic parties and have never voted in either a Republican or Democratic primary. I have always been an independent in politics. Now, however, I see an opportunity of performing some constructive service by helping relieve the country of the damnable affliction of prohibition."

Commenting on this dispatch, which was sent out by the Associated Press, our Georgia reader writes:

"This is interesting in connection with your article in the last issue about the regularity of primaries in Virginia and other States. Raskob boasts that he is neither a Democrat nor a Republican and has never participated in a primary. In fact, his only interest now is to 'relieve the country of the damnable affliction of prohibition'."

In the same letter this gentleman sends us another clipping quoting a negro committeeman in Mississippi as commending Herbert Hoover, and to this he adds:

"This is a sample of what is being fed Southern readers to prejudice them, and yet Tammany and Northern Democrats crawl in bed with the negro to serve their ends, as shown by other clipping attached."

The other clipping was a dispatch from William Hard, special correspondent of the Savannah Morning News, in the course of which Mr. Hard said:

"This campaign is all full to the guards of subjects which the politicians won't discuss but which they work at all the time. One of them is the negro vote."

"The Republicans at Kansas City did not exert themselves over-much or even at all to get 'equal' hotel accommodations for the colored delegates. The Democrats at Houston in their convention hall put all colored spectators into a special little chicken-wired coop. These reminiscences do not prevent either party now from interesting itself in the colored race."

"The Democrats of the Solid South may feel as they may feel about negro suffrage. The Democrats who are managing the Democratic national campaign are intent upon such facts as the following:

"In the 'border' States of Delaware, Maryland, West Virginia, Kentucky, Tennessee and Missouri, there are approximately 275,000 negro men and women who actually vote."

"In the Northern States of Massachusetts, New York, New Jersey, Ohio, Indiana and Illinois, there are today 545,000 negro men and women who cast ballots."

"In several of these States—'border' and Northern—the negroes hold sometimes the political balance of power."

"The headquarters of the favorable and equal treatment of the negro politically by Democrats in the North has been for a long time Tammany Hall. It is claimed by Tammany leaders that 276 negroes now hold New York City political or civil service positions with salaries in each instance of more than \$1,800 a year. It is indeed claimed by them that negroes hold more really good and lucrative positions under the New York City government alone than under the whole Federal Government throughout the United States."

"Ferdinand I. Morton, a member of the New York City civil service commission, and said to be the highest salaried negro officeholder in the country with three other New York City officials of his race, visited Washington this last week on a tour through this country westward for the organizing of 'Al Smith for President' clubs." (Black type ours.)

There will be an active fight in New York and in other

States, Southern as well as border States, by the Democratic party, as well as by the Republicans, for negro votes. Evidence of this is already seen and it is clearly indicated in this dispatch to the Savannah Morning News. The negro will be told both in New York and in the South, as well as elsewhere, that if Governor Smith is elected prohibition will be done away with and that they will be able to get all the whiskey they want—as they did in the days before prohibition was adopted—first as a State affair and afterwards through constitutional amendment. The Republicans will be no more active in begging the negroes for votes than will be the Democrats, and Tammany will be out, beyond question, to control a very large proportion of the votes of the hundreds of thousands of negroes in New York City.

RECORD FOREIGN CAPITAL ISSUES OFFERED AMERICAN INVESTORS.

WITH over a billion dollars in foreign financing in the last six months and with the par value of foreign securities offered the second quarter of this year the greatest on record, the people of the United States seem to be acting like the cows grazing in a rich pasture trying to reach the grass on the other side of the fence.

According to the Bureau of Foreign and Domestic Commerce, during the first half of 1928, American underwriters publicly offered foreign capital securities of a total par value of \$1,053,000,000 as compared with \$794,000,000 for the first half of 1927.

The par value of foreign capital securities publicly offered during the April-June quarter of 1928 amounted to about \$644,000,000, as compared with \$417,000,000 for the second quarter of 1927 and \$409,300,000 for the first quarter of 1928. The foreign securities during the second quarter of this year exceeded those of any other quarter in the history of American underwriting, and were even ahead of the previous record attained in the October-December quarter of the war year 1915, when a total of \$554,458,000, including the great Anglo-French loans, was absorbed in this market.

A feature of the financing this year was the record established by German loans and the large public utility issues sold for Japan.

Of the total par value of foreign securities floated during the past quarter, governmental issues were valued at \$274,000,000 and corporate at about \$370,000,000. Europe, the largest borrower, accounted for \$282,300,000; Canada came next with a total of \$156,200,000; the Far East was third with \$120,000,000; while Latin America received \$79,700,000; and territories and possessions of the United States, \$6,300,000.

The bureau states that it is certain a large amount of American capital is being invested in foreign countries through private transactions, by the purchase of securities direct, the purchase of properties, by additions to American branch factories, and in numerous other ways.

No one denies that the United States has vast wealth but in seeking investment opportunities we do not believe that American money should be so freely poured into foreign securities when there is so much need for capital in expanding and developing our own industries and enterprises. Much of the capital sent abroad to furnish life-blood for foreign business is lost to American business and in the end actually helps to create competition which endangers American industry and living standards. When you have money to invest, put it into domestic securities for the upbuilding of American projects. This country needs every available investment dollar to maintain and carry forward a national development unmatched in history.

AMERICAN MATERIAL FOR AMERICAN WORK.

IN stiffening the rule for the use of American materials and supplies in construction of and maintenance of Government buildings and in purchase of Government supplies, the Bureau of the Budget has taken a practical, patriotic step. But, it now seems that the Budget Bureau has gone as far as it can and that Congress must finish the work of protecting American products against successful competition by near-pauper foreign products, in both Government work and private industry.

As the new rule for preference for domestic articles or materials now specifies:

"Preference will be given to articles or materials of domestic production, conditions of quality and price, including duty, being equal. Unless otherwise stated in the bid, it will be understood that domestic articles or materials only will be used and the use of foreign articles or materials will not be permitted unless (1) they are of a better quality, or (2), being equal in quality, will be furnished at lower cost to the Government, or (3) domestic articles or materials are not available."

Two points in this provision are of significance: The duty, if any, on a foreign article must be added to the price, for comparison with American prices; and, the use of foreign articles or materials is prohibited, except under certain conditions.

But, good though the intent of the Budget Bureau is, it will be defeated in many cases by the inadequacy of the American tariff on various articles and by the actual absence of protection for other American products. Respective examples may be noted in iron pipe and cement, to which the MANUFACTURERS RECORD has had occasion to refer before. Both are used largely in Government work and will be used in tremendous quantities especially in the construction of great Government buildings in Washington, now actually under way. Not that these are by any means the only American products jeopardized or handicapped by near-pauper foreign competition combined with an inadequate Tariff law; but, they are conspicuous examples.

On cement, there is no duty whatever, and millions of barrels, each year, valued at millions of dollars, are in disastrously successful competition with American producers, who have millions invested in the industry, and with American workers, whose daily bread for their families is dependent on the prosperity of the business. In the first five months of 1927, cement importations ran to 875,988 barrels, valued at \$1,308,740; in the first five months of 1928, the most recent figures, the importations were 1,075,058 barrels, valued at \$1,471,639, an increase of 22 per cent in quantity and 12 per cent in value for 1928. Incidentally, comparison between the quantity and value percentages shows that successful foreign competition has depressed prices progressively. Regardless of the foreign production cost, foreign vendors have continued merely to shade their prices a trifle under American prices; their earlier profits must have been tremendous and their present profits undoubtedly are generous. And this profit comes out of the pocket of the American people and out of the wage envelopes of American workers. Let us keep American money at home.

So, too, with iron pipe and other products. Inadequate tariff duties enable foreign sellers to pour into the United States enormous quantities of materials, barely underselling American manufacturers, yet with big profit to these foreign industrialists and workers.

There are two ways in which this foreign competition can be precluded, or at least curbed: Prohibition against the use of foreign materials and supplies in public works—national, state or municipal—or establishment of an adequate protec-

tive tariff. To the first plan, some persons oppose the argument that it is not fair to the taxpayer, as involving higher costs than would result from the use of foreign goods. Superficially, that sounds well; but, "the greatest good for the greatest number" is sound American doctrine, and armies of American workers are intimately involved and must be protected, even at some cost, comparatively very small, to a minority of other persons. New York, Philadelphia, Baltimore and a number of Southern cities have adopted the "buy American products" policy and practice and now the national Government proposes to enforce it on its work. This movement should be nationwide, at least until Congress shall afford the necessary protection by tariff enactment.

But the practical and fair and logical method for protecting American labor and investment is through a truly American protective tariff. This recent ruling by the Bureau of the Budget is further proof of this necessity.

THE ENORMOUS BUSINESS OF PROCTER & GAMBLE COMPANY.

THE Procter & Gamble Company, which recently purchased a site on which to build a \$3,000,000 to \$4,000,000 plant in Baltimore, is heavily interested in the South, owning a large number of cottonseed oil mills in that section. That the total sales of the company for the fiscal year ended June 30 amounted to over \$210,000,000 may surprise some who have not kept in touch with the magnitude of their operations. Sales Management and Advertisers' Weekly, of New York, in referring to the operations of that company, make the following statement:

"All records for business of the Procter & Gamble Company were broken during the fiscal year ended on June 30, according to the report to the directors by Colonel Procter, president. The year's total sales were \$210,615,194, an increase over the previous year. The net earnings, after all reserves and charges for depreciation, losses, advertising and special introductory work had been deducted, were \$15,579,335, an increase of more than \$500,000 over the last fiscal year. These figures are striking proof of what comes from consistent and good advertising. According to reliable sources, Procter & Gamble Company invested \$3,051,274 in newspaper and magazine advertising in 1926 and \$2,088,220 in the same media in 1927." (Italics ours.)

FREE WHISKEY—A TRUE STORY.

A BUSINESS man from Baltimore, while in the South, said to the negro driver of an auto: "I suppose you are a Republican." "Yes," said the negro, "but I am going to vote for Al Smith this time." "What is your reason?" was the query in reply. The darky answered: "Because Al Smith has promised us free whiskey."

This is not a joke; it is a fact, and a great many of the more ignorant class of negroes and of the still more ignorant class of aliens will in some way get the idea that the election of Governor Smith would mean not merely the destruction of Prohibition, but free whiskey itself.

HOW A LEADING FARM PAPER REGARDS SITUATION.

"This is the tragedy of Smith—that he knows only what New York thinks and seems to think New York is America. And there is tragedy for many others, for in forcing the campaign to be fought over prohibition, the really great issues affecting the welfare of the farmer and the small business man are likely to be lost sight of if not actually lost."—*Progressive Farmer, Raleigh, N. C.*

BISHOP CANDLER AS AN ARDENT PROHIBITIONIST.

IF the letter recently sent out by Bishop Candler, of Atlanta, in regard to churches taking part in the present political campaign, had stated Bishop Candler's bitter opposition to Prohibition, the "wet" papers of the land would not have given such unstinted editorial praise as they have done to his letter. Papers with no interest whatever in religion or in church affairs have naturally used Bishop Candler's letter as an excuse for denouncing all others who believe that the moral forces of the country, whether they are composed of church members or others, have a right to voice their opinion on a matter of such definite importance as Prohibition. In a letter to the MANUFACTURERS RECORD explaining his position, Bishop Candler writes:

"From my youth I have been a total abstainer and a Prohibitionist, and I am in no wise disposed to change my sentiments in these matters; but when Prohibition is involved in party politics I cannot enter the field without hurt to the cause of temperance, as well as hurt to the cause of Christ. "Of course, every man has a right to vote as his conscience directs, and that I expect to do."

Holding such a view in favor of Prohibition, Bishop Candler must of necessity, according to his own statement, vote against the candidate who represents the "wet" interests. What a great change there would have been in the enthusiastic plaudits of the "wet" newspapers if the statements we have quoted had appeared in Bishop Candler's letter so widely circulated.

Atlantic Coast Line Exhibit.

Jacksonville, Fla., July 28—Announcement is made that the Atlantic Coast Line Railroad is resuming its old established policy of direct advertising by placing the products of the South before the people of the North. A complete and attractive traveling exhibit of agricultural products of the Southeast has been prepared here during the past 10 months, and will be forwarded from Jacksonville on August 7 to the East, where it will be shown at seven of the large agricultural fairs during August, September and October.

The exhibit will embrace displays of practically every crop grown in Atlantic Coast Line territory from Florida to Virginia, as well as some of the industrial products of this section. It will be shown at Orange County Fair, Middletown, N. Y., August 13-18; Twin State Fair, White River Junction, Vt., August 21-25; Connecticut State Fair, Hartford, Conn., September 3-8; Franklin County Fair, Greenfield, Mass., September 10-12; Eastern States Exposition, Springfield, Mass., September 16-22; New England Fair, Worcester, Mass., September 25-29; Brockton Fair, Brockton, Mass., October 1-6.

Mississippi Delta to Advertise.

Jackson, Miss., July 28—[Special.]—Steps in a movement to spend approximately \$300,000 in an advertising campaign in the interest of cities and agricultural communities of the Mississippi Delta were taken recently at Stoneville, when H. I. McInnins, Greenwood, was named chairman and Mrs. C. H. Williams, secretary of the Greenville Chamber of Commerce, was named secretary of a committee to establish a permanent organization. Representatives of every county in the Delta—a section which this time a year ago was thought to be irretrievably crushed—attended the meeting and participated in plans for a nationwide advertising program.

An intensive survey of the Delta will be made, to gather information, specific details and concrete facts about the territory's resources. All advertising will be done under one central and supervising board, with officials of the Mississippi State Board of Development co-operating. The organization will be known as the Delta Publicity Bureau.

Alabama Graphite and Its Far-Reaching Industrial Importance.

By POOLE MAYNARD, Ph. D., Industrial Geologist, Atlanta, Birmingham and Coast Railroad Co., Atlanta.

The World War brought out the real relation and importance of graphite in industry and in world politics. Lest anyone doubt the statement I will refer for authority to the United States Geological Survey, which says that the Alabama graphite deposits are considered the only crystalline flake deposits of prime importance in the continents either of North or of South America. World deposits of any real importance are relatively few and most of them are far distant from the great markets. Apparently then, graphite is a commodity that has the world for its market. Plants cannot spring up to supply the demand of a limited trade territory.

The uses of graphite indicate that it can be classified as one of the essential raw materials. Nothing has taken its place for use in electrodes; for use in the manufacture of crucibles in the steel and brass industry; nothing compares with it for use in the manufacture of lubricants; it has wide application for use in the manufacture of paints; storage batteries are now consuming a large part of the American production; it is used in boiler compounds, foundry facings and pencils, and has an ever widening market for miscellaneous uses.

Even though in 1915 we had not yet entered the World War, France and England, controlling the then main sources of supply in Ceylon and Madagascar, found it to their political advantage to cut off our entire supplies of crystalline flake graphite from Madagascar, allowing us to import only the Ceylon lump. They still held the trump card of cutting off our entire supply unless we remained neutral to the Central Powers. Imagine the position of our iron and steel industries had we been deprived of the foreign source of supply. Down in Alabama were the only deposits of crystalline flake graphite of prime importance either in North or in South America, yet we were helpless to supply our demands without the development of these deposits.

The natural question is: If we have such large deposits in Alabama, and they are of such superior grade, why have they not been developed to a greater extent?

If we review the history of the protection of industry in this country, we will see that protection from foreign competition has been confined almost wholly to the manufacturing industries and not to the producers of raw materials. Our manufacturing industries have been accustomed to buy their raw materials in the cheapest markets, particularly the manufacturing industries of the Eastern seaboard, and they have had their way. Until the war our users of graphite were laboring under a fallacious impression that the Madagascar flake and the Ceylon lump were superior to Alabama graphite.

Alabama graphite was not developed, except on a small scale, previous to the war, for a number of reasons: The lower costs of production in Ceylon and Madagascar made it possible to undersell Alabama graphite in the markets of the Eastern United States. The use of Alabama graphite was confined largely to crucibles and the No. 1 large flake was the only product which had a ready market. The No. 2 flake was not easily sold and the dust had practically no market. In spite of all these difficulties the Tabers, at their Mountain Creek plant, were making progress in refining but not in earnings.

Then came the World War and we began to realize what

the graphite industry meant to our industrial survival. Millions were spent in the development of graphite properties and in the construction of plants. The Government encouraged the development. Fourteen companies reported production during 1917 and 25 were under construction, and most of these companies were in Clay County. No matter how much Government encouragement there was; no matter how much money; no matter what the markets, the development of the graphite industry—that is, the mining and refining of graphite—required time and experiment, and could only make progress in refining slowly. Now there are three or four plants in operation in Alabama: The Bama Graphite Company, near Mountain Creek, Chilton County, near the L. & N. Railroad; the Ceylon plant of the Southwestern Graphite Company, near Hollins, in Coosa County, in Central of Georgia Railroad territory; and the Superior Flake Graphite Company, near Ashland, Clay County, Ala., reached by the Ashland Railway and the Atlanta, Birmingham and Coast Railroad. Two concentrating plants, the Carbon Mountain and the Peerless, of the Alabama-Quenelda Graphite Company, and the refining plant of the company at Lineville, Ala., have recently been remodeled, are in excellent condition and plan immediate operation. The first discovery of graphite in Alabama, according to Prouty (County Report No. 1, Geology and Mineral Resources of Clay County, Geological Survey of Alabama, 1923) was in the road leading up the hill a little to the northeast of the present Quenelda quarries.

This article is not written with the view of begging to increase the profits of the few Alabama producers of graphite, by the increase of the present tariff of 1½ cents per pound, but with the hope that it may shed some light on the American graphite industry and demonstrate the need for encouragement and protection of an industry that means as much to the laboring man in the steel industries of the Great Lakes as it does to the manufacturer of automobiles in Detroit; as it does to the barefoot boy in the mountains of Alabama.

What would happen to our greatest national industry, the manufacture of steel, if we were cut off from these foreign supplies? Are we willing again to be placed in a compromising political position and told to walk the plank or jump into the abyss of industrial destruction?

Public opinion of both political parties is always willing to pay the price of protection for its own preservation, but aside from this, any new industry in America is entitled to protection against the ruthless competition of foreign supplies, underselling our products as a result of cheap labor and the richness of the foreign deposits.

The Alabama graphite deposits are found in quartzite and schists, and are placed by the Alabama Geological Survey in the Ashland Series of Rocks equivalent in geologic age to the Carolina and Roan gneiss. (Described in the Asheville Folio No. 116, U. S. G. S. 1904.) There are many reasons for believing they are of early Carboniferous age. Some of the strata in Chilton County carry considerable mica, while in the Clay and Coosa County areas the deposits are found for the most part in quartzite, which carries some mica.

The working of the deposits has been wholly confined to the strata above water level where normal weathering agencies have brought about the oxidation of small crystals of pyrite to limonite, and the decomposition of the quartzite gangue has liberated the flake. The Appalachian mountain area in which these deposits are found is rugged in topog-

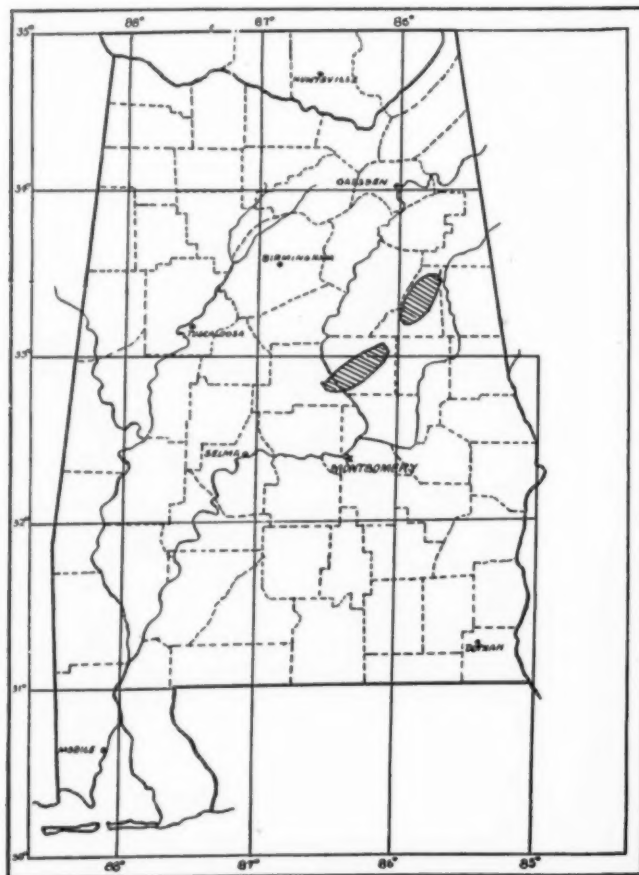
raphy and the graphite deposits extend from 100 to 500 feet above drainage level.

The area occupied by the Alabama graphites is approximately 60 miles in length, with a width of from two to five miles. The workable strata are lenticular, of a hundred feet or more in width, more or less continuous and as the deposits

which carry from 70 to 80 per cent graphite, but which usually require further treatment to separate the mica, quartz, iron and any other impurities before the graphite can be commercially used. The concentrates are screened to obtain three grades known as No. 1 flake, No. 2 flake, and dust, and as described above, various treatment is applied to polish and improve the quality of the flake.

Dr. Walter B. Jones, State Geologist of Alabama, in a special report to the rate departments of the Southeastern railways shows that the products of No. 1 flake vary in ash content from 6.83 per cent to 15.04 per cent; No. 2 flake from 3.70 to 12.70; run of mill from 9.17 to 25.30, and the dust as high as 34.52 per cent. The carbon content will run from 85 per cent to 95 per cent in the No. 1 flake; the No. 2 flake will carry as much as 87 per cent carbon, while the dust will carry as much as 65 per cent. Dr. Jones says:

"The most surprising thing about these analyses is the extreme variation in the ash in the grades which would seem to be the very best material. The No. 1 flake is a beautiful large flake which appears to the eye to be free of grit. Strangely, the largest pieces of grit obtained in the separation of heavy liquids came from the No. 1 plus flake. Another astonishing thing, the Bama Barneco flake was the lowest in ash content and carried siliceous grains nearly as large as the No. 1 plus flake. While the size of the grains from the No. 1 plus flake was large, the amount was small and Dr. Robert S. Hodges, chemist to the Geological Survey of Alabama, very ingeniously prepared and photographed a few



SKETCH MAP OF ALABAMA.

Showing approximate location of deposits of crystalline graphite.

dip at a high angle, they extend to an unknown but very great depth. The graphite content is from two to five per cent while some strata will carry as much as eight per cent; the average ore mined will seldom exceed three per cent graphite content. No attempt has been made to carry on underground mining or to mine below water level. As there is an almost unlimited tonnage of graphite ore above drainage level there is no indication that an attempt will be made to carry on underground work.

Milling methods have been described by Prouty and by the United States Bureau of Mines. (Geology and Mineral Resources of Clay County. County Report No. 1, Geological Survey of Alabama, 1923, and Bull. 112 U. S. Bureau of Mines.)

The process is somewhat different in each mill: Where there is much mica present electrostatic separation is used in the final separation of the mica from the graphite. In other mills, air separation has aided in the elimination of silica from the flake after the flake has been polished with Burr mills. The process in general consists of crushing the ore in gyratory or jaw crushers or rolls, drying the ore, screening, followed by water and oil flotation to obtain the concentrates which are screened and dried with various types of equipment, most of which have been experimental in the polishing of the flake and in separating any silica or silicates present.

The products of the Alabama mills are first concentrates



A BOULDER OF BLUE ROCK OR HARD ORE IN COOSA COUNTY.

flakes, burned off the carbon, and then photographed the ash. It appears that an appreciable amount of the ash is an integral part of the flake itself, and not free. This undoubtedly explains why the impurities are so difficult to separate by the flotation methods heretofore employed. Thus it is found that the ash is in two distinct forms, one as free grains and the other intimately associated with the flake, and also that the percentage of ash is no criterion as to its actual

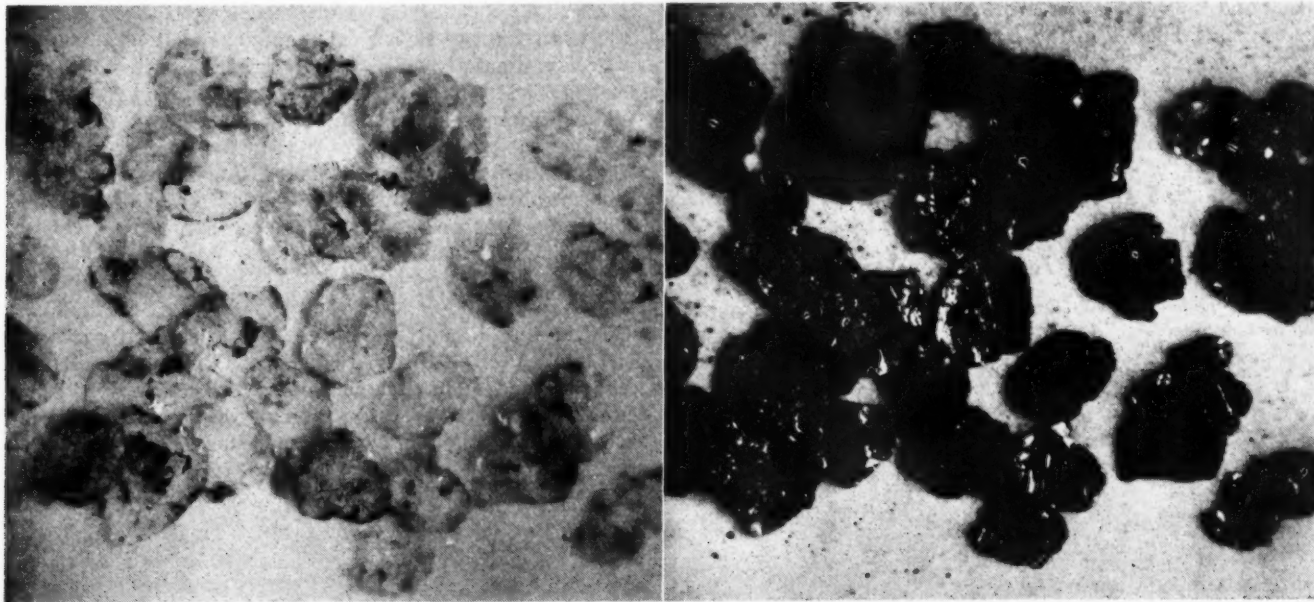
form. * * * The siliceous material, which characterizes the Alabama flake must be removed before the flake could be used in bearings without injury. To do this will require more efficient machinery than that used in the State at the present time, or else a different process."

Dr. Stewart J. Lloyd, of the University of Alabama, has been carrying on research on the concentration and refining of Alabama graphite. He has observed that there is little difficulty in mechanically concentrating it up to a content of 75 per cent carbon, though there is abundant room for improvement in the methods used at present. He finds, however, that there is considerable difficulty in carrying the carbon content above 90 per cent, and especially above 95 per

cent, connected with decantation, and possibly filtration; he does not know whether the quality of the flake is impaired by the treatment.

Fresh alkali to supply what is lost in the cycle may be added as soda ash, since the lime causticized it.

During 1927 there was an increase in the production in the United States of crystalline flake graphite of 235,200 pounds, that is, 117 plus short tons. And there was an increase in value of \$18,279, or ten per cent compared with 1926. The quantity and value of the crystalline graphite in 1927 was the largest since 1920. Alabama was the leading state in the production of crystalline flake graphite and reported



NUMBER 1 PLUS FLAKE FROM CLAY COUNTY, ALABAMA.

This magnified view shows the flake before and after burning, to indicate character of the impurities intimately mixed with the graphite.

cent carbon, without causing undue losses of large flake. The process worked out by Dr. Lloyd, and described below, was intended to replace the last mechanical refining stage by a chemical process which would not lessen the size of the flake. Dr. Lloyd's process has been quite successful with "run of mill" material, carrying about 75 per cent carbon, and with No. 1 flake, carrying about 90 per cent carbon. The run of mill material has been increased in carbon content from 72 per cent to 97.5 per cent, and the 92 per cent carbon of No. 1 flake to 99.8 per cent. The process has not been so successful with the dust, which it increased from 66 per cent to only 88 per cent.

The preliminary mechanical concentration in the mills must be good and these mechanical methods are well adapted to removing the large particles of silica and the silicates, while the chemical process devised by Dr. Lloyd will remove the small skeletons of gangue interlaminated between the flakes. Dr. Lloyd's process consists of two separate operations:

First: The concentrated graphite is treated with a strong caustic soda solution at a maximum temperature of 175 degrees C. This removes the silica, alumina and iron as silicates, aluminates and ferrites. The liquid, still hot, is decanted off and the graphite washed twice with hot water, the washings being added to the decanted solution.

Second: Upon cooling and dilution with the washings as mentioned, a large percentage of the silica and alumina and practically all of the iron settles out, and the liquid part is again decanted off; the solid precipitate is washed with water and the water added to the decanted solution. This decanted solution is treated with lime, which precipitates most of the remainder of the solids taken from the graphite. The dilute caustic solution is now concentrated by heat up to its original strength and used over again.

Dr. Lloyd suggests that there are a number of problems

66 per cent of the total quantity and 74 per cent of the total value in 1927. The Bureau of Mines says: "The striking features of the industry were the activity in Alabama; the increased production of crystalline graphite there, and the reappearance of California as a producing state." The manufacture of artificial graphite in New York decreased considerably, from 21,163,986 pounds in 1926 to 12,257,239 pounds in 1927, or 42 per cent. The imports of graphite in 1927 amounted to 17,452 short tons, valued at \$723,923, compared with 16,166 short tons, valued at \$921,233 in 1926, an increase of 8 per cent in quantity and a decrease of 21 per cent in value.

Until 1914 the markets for Alabama graphite were confined almost exclusively to the No. 1 flake for use in crucibles. There was even then a very limited market, as Ceylon lump was used almost exclusively in the manufacture of crucibles. At that time the manufacturers of crucibles were of the opinion that they could not use either American clays or Alabama graphite, to make a good crucible. Madagascar flake was being used by foreign manufacturers of crucibles almost exclusively, and it was due to the fact that the foreign crucible manufacturers preferred flake to lump graphite that France and England allowed us to import Ceylon lump, as long as we were neutral in our relation to the Central Powers.

As necessity again proved to be the mother of invention, the United States Bureau of Mines began an investigation of the use of Alabama graphite for the manufacture of a steel melting pot and brass melting crucibles. For some reason the results of these investigations were not published until 1923, some years after their completion.

Stull and Geyer carried on extensive investigations in the

use of Alabama graphite in brass melting crucibles. (Serial No. 2542, Nov., 1923, U. S. Bureau of Mines.) Their conclusions are, "The results indicated that the Alabama graphite gave the highest service of the seven different graphites tested for brass melting work."

GRAPHITE TEST.

Graphite	Average No. Heads	Average No. Minutes Per Head
Alabama	13.1	102.6
Madagascar	12.4	96.1
Ceylon	10.5	102.1

"From the data set forth it will be noted that Alabama graphite bonded with the American clays gave superior service."

Stull and Bole carried on a series of experiments on the use of Alabama graphites in the manufacture of a steel melting pot. (Serial No. 2512, Aug., 1923, U. S. Bureau of Mines.) They conclude, "Data indicated that Alabama graphite is superior to Canadian, and further, that Alabama can be substituted for Ceylon to a large measure without lowering the quality of the product," and "a superior steel melting pot can be made from American graphites bonded with American clays."

These experiments were conducted on a commercial scale. Crucibles were made up in American plants, put through the same processes and tested over a long period; they are therefore, conclusive.

Fortunately a new and wide field has recently been opened up for the use of crystalline flake graphite for dry batteries; almost the entire output of one Alabama mill went into this use in 1927. A high grade "run of mill" materials can be

of natural graphite and there are a large number of miscellaneous markets for crystalline flake graphite.

It is now recognized that there has been established in Alabama a permanent industry for the mining and preparation of classified graphite raw materials for use in many types of manufactured articles. It is recognized that Alabama flake graphite is superior to the Ceylon lump in the manufacture of crucibles; that Alabama flake is of superior quality for use in dry batteries; that Alabama flake can be made suitable for use in lubrication by the Lloyd chemical process of refining. These are the principal markets for Alabama flake, together with a large number of miscellaneous uses, such as foundry facing, paints, etc.

It has been conclusively established by the investigations of the United States Geological Survey, as well as numerous private investigators, that Alabama graphites are present in almost limitless tonnage.

While progress has been made in the separation of the flake from the gangue, there is a rich field for investigation in the refining of the graphite flake, both in the mechanical and chemical treatment of the ore on a commercial scale.

While the Alabama Geological Survey and the University of Alabama have done their part in a large way to bring about the better preparation and refining of these deposits, yet their responsibility, as well as that of the United States Geological Survey and the Bureau of Mines, will not have been fulfilled until better refining has been commercially established and additional markets have been proven. The fact that the World War is over and we are getting three-fourths of our graphite from abroad should not lessen the



SOUTHWEST ALONG STRIKE IN NEW QUARRY OF CEYLON PLANT, COOSA COUNTY, ALA.

used without the additional processes necessary in either the preparation of crucible flake or flake for lubrication. This field provides a use for the No. 2 flake and a portion of the dust. While no figures are available of the tonnage used in dry batteries in 1927, the total was large. This field promises to liberate the Alabama producer of graphite.

Foundry facings consume a large portion of the production

responsibility of our Government in lending its every aid in the development of these deposits.

The political and industrial importance of this industry has been made clear and the Government should recognize the importance of protecting what can yet be termed an infant industry against the ruthless foreign competition.

The extent of the deposits; their location approximate to

the markets of the South and Middle West; the fact that we produce less than 25 per cent of our annual requirements, with a growing market and a widening field of application for new uses, presents to the large financial interests an attractive field for investment. Particularly, there is a splendid opportunity for the manufacture of refined graphite products at Birmingham or Atlanta. As Alabama flake concentrates are mined and prepared at a profit at six cents per pound and as refined graphite for lubrication sells at Birmingham at eighty-five cents per pound, the margin of profit is so great that careful mechanical and chemical refining are justifiable for the manufacture of superior products.

Graphite Census, 1927.

According to the biennial census of manufacturers taken by the Department of Commerce in 1928, establishments engaged primarily in the extraction from the ore, and the refining of graphite (plumbago or black lead) reported, for 1927, a total output valued at \$2,931,584, an increase of 14.1 per cent as compared with \$2,569,487 for 1925, the last preceding census year. Of the 13 establishments reporting for 1927, 2 each were located in Illinois, Michigan, New Jersey, and Pennsylvania, and 1 each in Alabama, California, New York, Ohio, and Texas.

The statistics for 1927 and 1925 are summarized in the following:

	1927	1925	Per cent of increase or decrease (—)
Number of establishments.....	13	11	18.2
Wage earners (average number)....	289	228	26.8
Cost of materials, mill supplies, fuel and purchased power.....	\$1,319,161	\$1,328,188	—7
Value of products.....	\$2,931,584	\$2,569,487	14.1
Value added by manufacture.....	\$1,612,423	\$1,241,299	29.9
Horsepower	3,011	2,927	2.9

Limestone Near Gaffney, S. C.

Supplementary to an article in the MANUFACTURERS RECORD of July 5 on limerock deposits of South Georgia, by R. F. Monsalvatge of the Seaboard Air Line Railway, R. E. Johnson of Gaffney, S. C., calls attention to "the grade and quality of lime in Cherokee county, within four miles of Gaffney." Twenty-five acres of limestone rock is situated on Dratonville Mountain, says Mr. Johnson, and he quotes the following analysis of dark blue limestone: Silica, 1.06 per cent; iron oxide and alumina, 1.14 per cent; carbonate of lime, 80.5 per cent; carbonate of magnesia, 17.01 per cent. "Competent engineers have estimated that there are 10,000,000 tons of this stone above ground on the property," the report adds.

\$300,000 Hospital Addition in Washington.

The Central Dispensary and Emergency Hospital, Washington, D. C., has awarded general contract to Arthur L. Smith & Company, of that city, for erecting a \$300,000 addition to include a 9-story building, 100 by 50 feet, and 4 additional stories to another building, 125 by 50 feet. A. P. Clark, Jr., is the architect; M. S. Rich, structural engineer, and E. W. Goodwin, mechanical engineer, all of Washington.

Work Begins on \$750,000 Dallas Building.

Dallas, Tex.—Work has been started on a \$750,000 medical and dental office and store building here for Brinkerhoff & Bennett, the structure to be 8 stories, 470 by 75 feet, of reinforced concrete, brick and terra cotta, with concrete floor slabs and hollow tile partitions. Flint & Broad are the architects, and the A. J. Rife Construction Company, general contractor, both of Dallas.

Sub-Contracts on \$2,000,000 Reynolds Building.

The James Baird Company, New York and Washington, general contractor for the erection of the new \$2,000,000 office building at Winston-Salem, N. C., for the R. J. Reynolds Tobacco Company has awarded the following sub-contracts:

Alarm system—Duplex Electric Company, New York.
Casement windows—New York branch of David Lupton's Sons Company, Philadelphia, Pa.
Caulking—Union Calking Service Company, New York.
Dampproofing—Damp Resisting Paint Company, New York.
Electrical work—Howard P. Foley Company, Washington, D. C.
Elevators—Richmond branch of Otis Elevator Company, New York.
Elevator enclosures—The Tyler Company, Atlanta, Ga.
Fireproofing—Knollman-Spidell Company, Washington.
Flag pole—Pole and Tube Works, Newark, N. J.
Freight elevator doors—Security Fire Door Company, St. Louis, Missouri.
Glass and glazing—High Point branch of Pittsburgh Plate Glass Company, Pittsburgh, Pa.
Granite—Perry Brothers, Concord, N. H.
Heating, plumbing, ventilation and refrigeration—Riggs Distler and Company, Inc., Baltimore, Md.
Hollow metal—Metal door and Trim Company, La Porte, Ind.
Limestone—Indiana Limestone Company, Bedford, Ind.
Mail chute—Cutler Mail Chute Company, Rochester, N. Y.
Millwork—Fogle Brothers Company, Winston-Salem.
Metal toilet partitions—Sanymetal Products Company, Cleveland, Ohio.
Metal windows—New York branch of Campbell Metal Window Corporation, Baltimore.
Ornamental iron—Roanoke Iron Works, Roanoke, Va.
Painting—John Luppe, Greensboro, N. C.
Reinforcing steel—Connors Steel Company, Birmingham, Ala.
Roofing and sheet metal—C. F. Shuman Roofing Company, Charlotte, N. C.
Steelcrete—Consolidated Expanded Metal Companies, Philadelphia.
Structural steel—Virginia Bridge and Iron Company, Roanoke.

The building will be 21 stories, 200 by 120 feet, plans and specifications having been prepared by Shreve and Lamb of New York. Contract for excavation was awarded to the Powell Paving Company, of Winston-Salem.

Frisco Lines Seek Foreign Business.

Carrying out the policy in connection with the building of the new railroad by Frisco Lines through to Pensacola, Fla., President James M. Kurn has announced the appointment of Frank C. Reilly as European traffic manager of the Frisco Lines, with headquarters at Paris and London. Mr. Kurn says that his company will go very actively after export and import business through the newly established Frisco port of Pensacola. Also, the traffic alliance which the Frisco has with the Alabama, Tennessee & Northern Railroad Corporation, connecting with the Frisco at Aliceville, Ala., makes Mobile a proper port of entry and export for account of the Frisco Lines.

\$300,000 Ammonia Oxidation Plant for Missouri.

Carthage, Mo.—Plans are being made by the Hercules Powder Company, Wilmington, Del., for the construction of a \$300,000 ammonia oxidation plant at its powder plant near Carthage, it is reported. The new unit will manufacture nitric acid by an improved process for nitro-glycerine and nitrate ammonia used in the production of dynamite. It will be one of three the company is building at various branches.

Contract for 8-Story Dallas Store.

Dallas, Tex.—General contract has been awarded to the Watson Company, Dallas, for the erection of a store building for the Titcher-Goettinger Company and construction will be started by September 1. The structure will be seven or eight stories, with basement and sub-basement, facing St. Paul street and extending 122 feet on Main and Elm streets. The Herbert M. Greene Company, Dallas, is the architect.

Enid Sells \$553,000 of Bonds.

Enid, Okla.—Bonds totaling \$553,000 have been sold by this city to the First National Bank of Enid, at a premium of \$1501. Of the total issue, \$503,000 improvement bonds will bear 4½ per cent interest and \$50,000 airport bonds 5 per cent.

260,000 Horsepower Hydro-Electric Development Projected.

Mississippi Power Company Obtains Temporary Permit for Plant Near Muscle Shoals on Tennessee River.

The Federal Power Commission, Washington, D. C., has granted the Mississippi Power Company, a subsidiary of the Alabama Power Company, Birmingham, a temporary permit for a period of three years to construct a water power project on the Tennessee River in the vicinity of Muscle Shoals. The proposed initial installation is estimated to produce 100,000 horsepower and the ultimate installation, 260,000 horsepower. It is understood that the Company plans a gravity section concrete dam at Cook's Landing to create a reservoir extending 63 miles upstream to the base of the Muscle Shoals dam and flood out the existing Government lock, dam, and canal at Colbert Station near Riverton, Ala.

W. J. Baldwin, of the Alabama Power Company, wires that details as to the exact location and type of construction have not been determined and will not be for some time because of the large amount of outside and inside engineering work to be completed. This development, according to Mr. Baldwin, will form an important link in the proposed short water route from Chicago to Mobile.

Opposed to Using Any Portion of Florida's Gasoline Taxes Except for Highway Work.

Wilmington, Del., July 24.

Editor Manufacturers Record:

In your issue of July 12, I notice letters from two Florida people recommending that the law be changed so that part of the Florida gas tax be deducted from the state highway funds and be used to reduce county taxes and school taxes. It is very commendable to seek further methods of reducing taxes in Florida, but to reduce them by this method seems to me to be a very shortsighted policy; first for the reason that Florida, although it has a great many fine highways, still has a long way to go before it has all that it needs; second because there is nothing better than highway construction to further interest outside capital in Florida and to increase business within the state. Florida has attained the reputation for treating its winter residents fairly. They are perfectly willing to pay a tax of 5c per gallon on gasoline if the money is used to improve the transportation facilities, but if it is used for other purposes I think there would be a nation wide and justifiable protest.

A. P. VAN GELDER.

Completing Big Drainage District Near Clewiston, Fla.

Clewiston, Fla.—A 31-mile dike, closing off the Sugarland Drainage District from the rest of the Everglades Drainage District, was recently completed. Construction of this dike, which was started in August, 1925, brings under absolute water control 43,000 acres, much of which has been planted to sugar cane and truck. The district, including lands in Glades and Hendry Counties, is independent of the Everglades drainage plan, and the recent failure of Governor Martin's improvement program will not in any way affect the work in and around Clewiston, it is announced.

Some years ago, when soil experts recommended the lands around Clewiston for sugar cane production if drainage were provided, the B. G. Dahlberg interests of Chicago, and the Southern Sugar Company worked out an extensive drainage plan, making the district an absolutely independent unit. Within the district surrounded by the dike and canal, are a

series of lateral canals entering into main canals. Water is carried along these, emptying on the south and west into the Caloosahatchee River, and on the south and east into Lake Okeechobee. The water control feature is arranged through the use of flood gates built in the main canal, and large pumps on Lake Okeechobee. Through the operation of pumps and flood gates, the depth of water in the lake and in surrounding districts is made to have no effect on the water depth in the Sugarland Drainage District.

10,000-Barrel Oil Refinery for Texas.

J. S. Cosden, Inc., of Fort Worth, Tex., will build an oil refinery at Big Spring, Tex., according to the Mid-Continent Petroleum Corporation of Tulsa, Okla., which succeeded Cosden and Company of Tulsa. It is stated that the plant will operate on oil from Howard County and will be served by a 12-mile 8-inch pipe line. It will have a capacity of 10,000 barrels daily. Contracts have been awarded to the Foster-Wheeler Corporation, of New York, and the Graver Corporation, of Chicago. The Cosden company is an owner of proven, semi-proven and semi-wildcat acreage.

Foreign Trade Decreased Last Fiscal Year.

For the fiscal year ended June 30, 1928, exports were valued at \$4,877,815,000 and imports \$4,147,883,000, giving an export surplus of \$729,932,000. Compared with the fiscal year of 1927 this is a decline in export values of \$90,000,000 and \$104,000,000 in imports. Figures for the last six months of the 1928 fiscal year ended June show exports of \$2,378,732,000, which is \$12,000,000 ahead of the value for the corresponding period of 1927, while imports amounted to \$2,086,316,000, or \$37,000,000 less than the value of imports for the six months ending June, 1927.

Bids on \$500,000 Medical Arts Building.

Durham, N. C.—Bids will be received August 20 by the Union Professional Building Corp., R. E. Dillard, president, for the erection of a \$500,000 medical arts building here, the structure to be 10 stories, 92 by 68 feet. It will be equipped with vapor heat, three elevators, compressed air, gas and X-ray facilities. Matthews H. Tardy, Macon, Ga., is the architect. The following contractors have been asked to estimate: The Turner Construction Company and the Foundation Company, both of New York and Atlanta; James Baird Company, New York and Washington, and the Seaboard and Southern Construction Company, Jacksonville and Atlanta.

Paducah Asks Bids on Sewer System.

Paducah, Ky.—Bids will be received until August 7 by E. R. Bradshaw, Commissioner of Public Works, for the construction of a sewer system in zone No. 4A, in which the following approximate quantities of material will be used: 7942 lineal feet of 8-inch sewer; 6875 feet of 10-inch; 10,429 feet of 12-inch; 10,350 feet of 15-inch; 7775 feet of 18-inch; 3865 feet of 21-inch; 3454 feet of 24-inch; 3330 feet of 27-inch; 1470 feet of 30-inch; 2220 feet of 33-inch; 2660 feet of 36-inch; 2520 feet of 42-inch; 3652 feet of 48-inch; 413 feet of 54-inch; 970 feet of 66-inch; 3095 feet of 72-inch, and 77,940 lineal feet of 6-inch house service line sewer, the maximum depth of trench to be 20 feet. There will also be required 192 manholes, 300 inlets of type A, 90 inlets of type B and 14 junction structures. Sewer pipe from 8 to 24 inches, inclusive, will be of vitrified clay, while bids will be taken on reinforced monolithic concrete, reinforced concrete pipe and vitrified clay segment block for all sizes above 24 inches. Plans and specifications may be obtained from the office of the commissioner.

Chemical Research Work Opening Great Possibilities for Using Farm Products.

By WHEELER McMILLEN, Associate Editor, Farm & Fireside, New York.

The fog raised by the pursuers of political perunas for assuaging the woes of agriculture has sadly obscured one fundamental in the farm situation that might otherwise be obvious. A fact of primary importance, to which very little attention has been given, is that agriculture, being essentially a food producing industry, has a market that general prosperity does not greatly expand. Three meals a day are about the extent of the food requirements of both millionaire and laborer. The food producer receives comparatively small benefit from improved purchasing power, for the simple reason that beyond a certain point increased income is not spent for meat and groceries.

The market for farm products has only four avenues for expansion: (1) Increase in population; (2) extension of foreign markets; (3) enlarged demand for higher quality products; (4) development of industrial uses for farm grown materials. Population increase proceeds at its own rate, far more slowly than the agricultural output, which has gone up 25 per cent since 1920. World conditions promise no greatly improved demand for American agricultural products. The public call for better grades of food is being met about as rapidly as it comes.

The development of new industrial uses for farm raw materials, however, is highly promising and extremely important. This movement strikes at one of the very centers of the farm problem: The fact that the human stomach, already well stuffed, cannot be expanded, while the public capacity for absorbing the products of industry is limited only by purchasing power. Research in this direction is badly needed. The organic chemical industries have shown clearly the potentialities. The soil can be made to yield vast annual supplies of cellulose, starch, oils and fats, protein and sugar. The agricultural output can as well be measured in these terms as in terms of cotton, corn, livestock and wheat. If enough of the factories of America begin looking to the farms for their raw materials, the problem of adequate markets will be solved.

An intimation of the significance of this viewpoint may be obtained from the operations of the Commercial Solvents Corporation's plants at Peoria, Ill., and Terre Haute, Ind. This concern is using 30,000 bushels of corn daily, 10,956,000 bushels for the year, as raw material for higher alcohols to be used as solvents. This is equivalent in pork of 550,000 two-hundred-pound hogs, and is around three per cent of the cash corn sold in primary markets. The solvents are used largely in conjunction with cellulose from cotton linters in the manufacture of films, lacquers, artificial leather and other commodities much in demand. The corn is removed from the food market entirely. Before the final product has been achieved some of the cotton supply is absorbed.

Utilization of agricultural wastes as a result of research offers a vast field of opportunity. The manufacture of lumber substitute from the bagasse of the cane mills is a well known example. An experimental factory at Danville, Ill., is seeing what can be done in the making of alpha-cellulose for rayon and films from cornstalks, while extensive research is being conducted by Dr. O. R. Sweeney of Iowa State College toward production of wallboard and other products from cornstalks. A leading breakfast food company is now shipping tank car lots of furfural, made from oathulls, and used in the synthetic resin and other fields. The development of uses for cottonseed, once a troublesome waste, has added materially to the price of every bale of cotton. The effect of by-product utiliza-

tion in the meat packing industry does not require comment.

It has been estimated that 600,000,000 tons of straw, cornstalks, corn cobs, cotton stalks, peanut hulls, cheese whey, fruit seeds and skins and other materials go to waste annually—an enormous loss of potential industrial raw materials that now bring no profit to farmers.

Plenty remains to be learned about the uses of plants. Dr. C. A. Browne of the United States Bureau of Chemistry has pointed out that lignin, a component of the woody portion of plant stalks, is probably as important a source of wealth as coal tar. Practically nothing is known about it. In the field of cellulose chemistry, scientists point out much to be done. If the process for manufacturing levulose sugar from the Jerusalem artichoke, worked out by Frederick Bates and associates in the Bureau of Standards, becomes commercially profitable, another new opportunity will present itself in cellulose production. The sugar comes from the tubers, while the artichoke also produces an abundance of tall stalks. A British chemist has already seriously discussed a proposal to obtain cellulose from the stalks, independent of the sugar possibilities of the tubers.

The country imports vast quantities of vegetable oils, in the face of our own capacity for producing oils from peanuts, cotton seed, soybeans, flax and sunflowers. Research into the uses of the soybean is vitally needed. The plant grows in nearly every State, both south and north, and is limited in use now primarily to livestock feed and soil improvement. A Seattle manufacturer, who imports most of his supply from the Orient, after extracting the oil is making furniture glue and other products from the residue which he considers as important as the oil.

The interchangeability of crops makes almost any new use for a farm product a contribution to the welfare of all agriculture. The cotton farmer may well be pleased at the development of an industrial use for any food crop, even one ordinarily only grown in the northern tier of States. The new demand arising from the new use leaves an opening for another food producer who might otherwise be competing in cotton production. Again, new uses for corn may influence the price of that crop enough to take a cotton grower out of competition with his fellows into corn growing. Without multiplying examples, the implications of new demand will be evident to everyone acquainted with the operations of economic law.

To the manufacturer no one need point out the desirability of a prosperous agriculture. Some 26,000,000 people live and work on the farms of America. A slight increase in the buying power of this great segment of the domestic market can affect profoundly the fortunes of industry and commerce. A careful survey of results has shown that for every dollar that has been spent in real research by the Department of Agriculture, the nation has had an actual annual return of from \$500 to \$1000. Additional industrial uses for farm products will contribute not only to the direct solution of the farm problem, but to the creation of national wealth.

The Department of Agriculture might well be permitted liberal appropriations to be used in this direction. The state agricultural experiment stations ought to devote a portion of the new Furnell fund to the purpose. It would be even better, perhaps, if the brains in some of our great industrial laboratories could be set at the job of diverting more of agricultural energy toward production of raw materials for industry. Obviously, this is no emergency remedy, but whatever else

may be done, it is apparent that the food market is inadequate to absorb all our present, much less our potential agricultural output.

Research to increase the industrial demand for farm products offers more promise to agriculture than any other single proposal that has been advanced.

6,300,000 Cubic Yards of Levee Construction to Be Let to Contract.

The Mississippi River Commission, Fourth District, Major W. H. Holcombe, United States District Engineer, New Orleans, La., will receive sealed proposals until August 6 for the construction of approximately 6,300,000 cubic yards of earthwork for levee construction in the Fourth Mississippi River District.

Mississippi Going Into Northwest.

Jackson, Miss., July 28—[Special.]—On its fourth annual "voyage," the Know Mississippi Better train will start from Jackson on August 7, due back on August 23, on a tour of 7000 miles into Tennessee, Illinois, Minnesota, North Dakota, Montana, Washington, Oregon, Idaho, Wyoming, Colorado, Nebraska and parts of Canada. Several state officials, headed by Governor Murphree, will make the trip and reservations already are in for more than 200 persons. The train will consist of eight Pullmans, two diners, two exhibition cars and one office and observation car.

Dairying in the Charleston, S. C., Section.

In June last, Howard Elliott, chairman of the Northern Pacific Railway Co., in writing the MANUFACTURERS RECORD as to why he had favored the establishment of some community colonies in the South by the Federal Government said:

"As you say, our committee saw very many sad features in connection with Southern agriculture, but we also saw a number of good ones. At Charleston, for example, we were told that there was a scarcity of milk, and that it was selling at 25c a quart, although there was plenty of good country around there where, with proper education, dairying could be undertaken, etc. And in a number of communities there was a lamentable lack of certain kinds of foods which might be produced if the attention of the man on the land could be drawn to it, and he be encouraged in some reasonable manner to engage in the business."

A copy of this letter was sent to the Mayor of Charleston for information as to the accuracy of the statement in regard to the question of milk. In reply, Dr. B. K. McInnes, Milk Supervisor, writes the MANUFACTURERS RECORD as follows:

"Your letter of June 6, addressed to Mayor Stoney has been referred to me for consideration.

"I have carefully gone over the information given in that letter and cannot see exactly from where the parties that gave you this information derived their data. I agree that in this State there are remarkable possibilities as far as the dairy industries are concerned, but I cannot see how the parties mentioned could have been given such an exorbitant price on milk, for the average milk in Charleston sells from 18c to 20c retail; wholesale 11c to 15c. Charleston usually takes care of the amount of milk being produced, and we have not had a milk scarcity in some time.

"The farmers who ship to Charleston from various parts of the state get from 30c to 40c a gallon.

"Since the Standard Milk Ordinance was adopted, particular attention being paid to the milk situation, there has been a decided increase in the quantity used, ranging around 1500 quarts more daily than two years ago. All milk sold in the city is required to be pasteurized.

"My opinion has always been that the South needs better cattle and heavier producers; this I am glad to say is coming rapidly, especially since the eradication of the tick which allows us now to bring into this country cattle from any part of the United States with safety."

BIG EXPANSION UNDER WAY BY TEXAS COMPANY.

To Lay 333 Miles of 8-Inch and 550 Miles of 12-Inch Pipe.

In a brief outline of the principal activities of the Texas Company, Houston, during the past month, as published in the Texaco Star, the official publication of the company, R. C. Holmes, president, announces that the company's present pipe line system is being extended to the Gray County section of the Panhandle of Texas, involving the installation of an 8-inch line from Kingsmill to Vernon and Wichita Falls, Texas, connecting with both the North Texas and Central Texas lines, which, together with an additional 8-inch line from Dallas to Corsicana and Corsicana to San Augustine, to connect with the company's Louisiana line at the latter point, will cover a distance of 333 miles and provide additional through capacity to Port Arthur of 10,000 barrels of oil daily. This capacity may be increased by additional stations when an added capacity is required. Pipe for the line, which will require about 25,000 tons, has been ordered from the A. O. Smith Corporation, Milwaukee, Wis.

The company recently purchased 4,265,000 barrels of steel tankage and 3,000,000 barrels of crude oil in Crane, Upton and Winkler counties, with gathering lines, loading rack and developed and undeveloped leases. As of July 9, there were 31 producing wells with a potential production of 45,000 barrels daily. The construction of a 12-inch pipe line from the West Texas fields in Pecos, Crane, Upton and Winkler counties, to Houston, a distance of approximately 550 miles, not including gathering lines, has been undertaken. This line, which is expected to be completed about March 1, 1929, will have a capacity of 60,000 barrels daily when all stations have been installed. Approximately 65,000 tons of pipe will be required and this has been ordered from the Youngstown Sheet and Tube Company, Youngstown, Ohio.

Prizes to Southern Commercial Secretaries.

To encourage the secretaries of Southern Chambers of Commerce to adopt and carry through to a conclusion a constructive annual budget, the American Automobile Association offered \$200 to the secretary submitting the winning paper, and in the 1927-1928 contest, two papers submitted were judged equal in merit, and in accord with the recommendation of the judges, the prize was evenly divided between L. M. Vaughn, Secretary, Middleboro (Ky.) Chamber of Commerce, and R. B. Beal, Secretary, Spartanburg (S. C.) Chamber of Commerce. The prizes were awarded at the annual meeting of the Southern Commercial Secretaries' Association held in Asheville, N. C. Ernest N. Smith, general manager of the American Automobile Association, Washington, has had the winning papers reprinted in pamphlet form.

\$750,000 Bond Issue to Erect Courthouse.

Clarksburg, W. Va.—An election has been called for August 6 by the Harrison County Court, on a bond issue of \$750,000 for the erection of a new courthouse here. The official canvass will be made on August 10 and in case of a favorable vote provision will be made for the project in the tax levy to be fixed by the court a few days later.

Florida City Sells \$425,000 Bonds.

Sanford, Fla.—This city sold an issue of \$425,000 6 per cent bonds to Farson, Son & Company, New York, at \$408,000, proceeds to be used to repay the Atlantic National Bank, Jacksonville, and Eldredge & Company, New York, for funds advanced.

National Distribution Conference Held.

Endeavoring to promote the welfare of industry, labor and the general public, the National Distribution Conference, at a recent New York conference, "afforded opportunity for full and free discussion of the problems of sales and distribution" and went far toward their solution through plans for "more efficient and economical distribution of manufactured products," as Charles J. Graham, president of the Bolt, Nut and Rivet Manufacturers Association phrased it.

Research and investigation, it was felt, had shown that, whereas production costs had been substantially reduced, the relative cost of distribution had increased, and this increase was said to be very largely responsible for "the failure of manufacturing and distributing interests to yield a fair return on investment." This situation, those present believed, placed in jeopardy "the current level of wages, the purchasing power of the Nation, the maintenance of the American standard of living and the very existence of smaller manufacturing and distributing units."

Besides Mr. Graham the list of speakers included Charles M. Schwab, head of the Bethlehem Steel Company; George Puchta, president of the Queen City Supply Company, Cincinnati, Ohio; William G. Hume, vice-president of the Keystone Steel & Wire Company, Peoria, Ill.; W. T. Kyle, Page Steel & Wire Company; Charles W. La Porte, J. E. Webster, Los Angeles; J. S. McDaniel, Cordage Institute; R. H. Welton, Boston, Mass.; C. D. Young, Pennsylvania Railroad; Leslie M. Stratton, president of the Southern Hardware Jobbers Association; George H. Halpin, Baeder-Adamson Company, Philadelphia; H. A. Sadler, president of the American Steel & Heavy Hardware Association; George W. Jones, Pittsburgh Steel Company; Henry Morris, San Francisco; Charles H. Meigs, Fire Equipment Institute; H. L. Gray, vice-president of the Simmons Hardware Company, St. Louis; Frank A. Bond, vice-president, United States Chain & Forging Company, Pittsburgh; William P. Jeffery, Hack Saw Manufacturers Association; H. W. Caldwell, Hibbard, Spencer, Bartlett & Co., Chicago; Gilbert H. Montague, New York City; E. W. McCullough, Chamber of Commerce of the United States; James Francis Burke, Henry A. Roemer, president, Continental Steel Company; George K. Conant, St. Louis; E. L. Parker, president, Columbia Steel & Shafting Company; Alvin M. Smith, secretary, Southern Hardware Jobbers Association; I. R. Shadbolt, Milwaukee; George W. Boole, F. W. Swanson, Central Supply Association; William Hansen of Hansen & Yorke, New York City. The hosts of the occasion were:

American Bolt Co., Birmingham, Ala.; American Equipment Co., Norristown, Pa.; American Nut Co., Detroit, Mich.; Atlas Bolt & Screw Co., Cleveland, Ohio; Automatic Screw Machine Products Co., Chicago; Bayonne Bolt Corporation, Bayonne, N. J.; Bethlehem Steel Co., Bethlehem, Pa.; Boss Bolt & Nut Co., Chicago; Bourne-Fuller Co., Cleveland; Brightman Manufacturing Co., Columbus, Ohio; Buffalo Bolt Co., North Tonawanda, N. Y.; Chicago Screw Co., Chicago; Clark Bros. Bolt Co., Milldale, Conn.; Columbus Bolt Works Co., Columbus, Ohio; Erie Bolt & Nut Co., Erie, Pa.; Foster Bolt & Nut Manufacturing Co., Cleveland; Wm. Gaskell & Sons, Inc., Brooklyn, N. Y.; Graham Bolt & Nut Co., Pittsburgh; Hammond Bolt & Nut Co., Hammond, Ind.; Harrison Bolt & Nut Co., Harrison, N. J.; Wm. H. Haskell Manufacturing Co., Pawtucket, R. I.; Lake Erie Bolt & Nut Co., Cleveland; Lamson & Sessions Co., Cleveland; E. B. Lanman Co., East Chicago, Ind.; Lebanon Iron Co., Lebanon, Pa.; Maryland Bolt & Nut Co., Baltimore, Md.; Milton Manufacturing Co., Milton, Pa.; National Screw & Manufacturing Co., Cleveland; Neely Nut & Bolt Co., Pittsburgh; Ohio Nut & Bolt Co., Berea, Ohio; Oliver Iron & Steel Corporation, Pittsburgh; Pacific Coast Forge Co., Seattle, Wash.; Pawtucket Manufacturing Co., Pawtucket, R. I.; Pheoll Manufacturing Co., Chicago; Pittsburgh Screw & Bolt Corporation, Pittsburgh; Portland Bolt & Manufacturing Co., Portland, Ore.; Republic Iron & Steel Co., Youngstown, Ohio; Rhode Island Tool Co., Providence, R. I.; Russell, Burdall & Ward Bolt & Nut Co., Port Chester, N. Y.; St. Louis Screw & Bolt Co., St. Louis; Sandusky Nut Co., Sandusky, Ohio; Scranton Bolt & Nut Co., Scranton, Pa.; Sheffield Steel Corporation, Kansas City, Mo.; Sherman-Klove Co., Chicago; Standard Nut & Bolt Co., Valley Falls, R. I.; Steel Co. of Canada, Ltd., Montreal, Canada; Superior Screw & Bolt Manufacturing Co., Cleveland; Western Screw Manufacturing Co., Chicago.

\$2,950,000 BOND ELECTION IN HOUSTON.

City Plans Work Preliminary to Construction of \$10,000,000 Southern Pacific Terminals.

Houston, Tex.—City council has passed an ordinance calling an election August 25 on a bond issue of \$2,950,000 for the rearrangement of streets and traffic arteries preliminary to the construction of the proposed \$10,000,000 terminal passenger station here for the Southern Pacific Lines. Improvements provided for in the bond ordinance include the following: Widening and straightening Washington, Preston and Franklin avenues, \$1,750,000; construction of sanitary sewers, \$200,000; paving, \$600,000; White Oak Bayou improvement project, \$200,000, and macadamizing streets, \$200,000.

By virtue of an option which it has obtained, the city will be able to purchase the Taylor estate property containing 28 city blocks, at a cost of \$525,000, and to open a thoroughfare from Franklin avenue bridge to Houston avenue, tentative plans calling for a width of from 100 to 120 feet. The course of the bayou extending through the property will also be changed and its banks lined.

The new Southern Pacific passenger terminals, which will occupy an area of two city blocks, will be among the most modern in the South, involving an expenditure of \$10,000,000. Plans for this project are being completed by Hedrick & Gottlieb, Inc., architects of Houston.

Construction at Once of \$1,000,000 Oil Plant.

The Asiatic Petroleum Company of New York, Ltd., a subsidiary of the Royal Dutch-Shell Syndicate, has acquired a site with 1600 feet frontage on the Patapsco River in the Fairfield district, Baltimore, for the construction of its proposed \$1,000,000 oil plant and construction is expected to begin at once. Plans of the company include the construction of a 1500-foot bulkhead some distance from the shore and the reclamation of land between covering an area of approximately 10 acres. Test holes and bearings will be made and a channel 120 feet wide, 30 feet deep, will be dredged to the main ship channel. An asphalt plant will be constructed and a number of oil storage tanks installed. The site of the proposed plant is between the plants of the Prudential Oil Company and the Martin Wagner Company at Wagner's Point, and contains about 67 acres, of which 29 acres are fast land.

Merger of Railway and Power Properties.

Augusta, Ga.—The merger of the Augusta-Aiken Railway and Electric Company and the Georgia-Carolina Power Company with the Southeastern Power and Light Company has been completed here, according to F. B. Culley, general manager of the two first-named firms. These companies were operated by J. G. White and Company, New York, and owned the Augusta street railway system, the Augusta-Aiken interurban trolley system, the Georgia-Carolina power plant on the Savannah River, and electric light plants in approximately 40 Georgia towns, including Louisville, Wrens, Warrenton, Thomsen, Harlem, Crawfordville, Lincolnton and Washington, in addition to several South Carolina towns, including Aiken, Edgefield and McCormick. The properties will be closely co-ordinated with the Georgia Power Company, Atlanta, and its subsidiaries, it is expected.

\$500,000 Club and Office Building for Raleigh.

Raleigh, N. C.—A 14-story building to cost about \$500,000 will be erected at Martin and Salisbury streets, this city, by the Capital Club, to replace the present building which it now occupies. The club will use the 14th floor of the new building and lease the remaining floors for office space.

Virginia's Agriculture Keeps Step With Industry.

By JNO. R. HUTCHESON, Blacksburg, Va.

So much has been said and written during recent years about the great industrial development taking place in Virginia that the fact is likely to be overlooked that the Old Dominion is also one of the most important agricultural states east of the Mississippi River. Virginia farmers as a whole have of course met with many difficulties during the past eight years. But when the agricultural depression began in 1920 the leaders of the various farm organizations and institutions in Virginia instead of spending their energy in "cussing the trusts" and trying to save themselves by legislative enactment, got together and worked out a definite program for meeting existing conditions. This program was known as "The Five Year Program for the Development of Virginia's Agriculture," and offered as the greatest hope of permanent relief the following things:

- (1) The production of sufficient food for the family and feed for the livestock.
- (2) More economical methods of production.
- (3) The fitting of production to consumption.
- (4) Better methods of marketing.

However, Virginia's agricultural leaders did not stop with merely outlining this general, broad program. Specific recom-

mendations and practical methods for bringing about these conditions were carefully worked out and definite steps taken to put them into effect. County agricultural and home economics advisory councils made up of the leading farmers and other business people in each county of the state where extension work was carried on, were organized and began immediate operation.

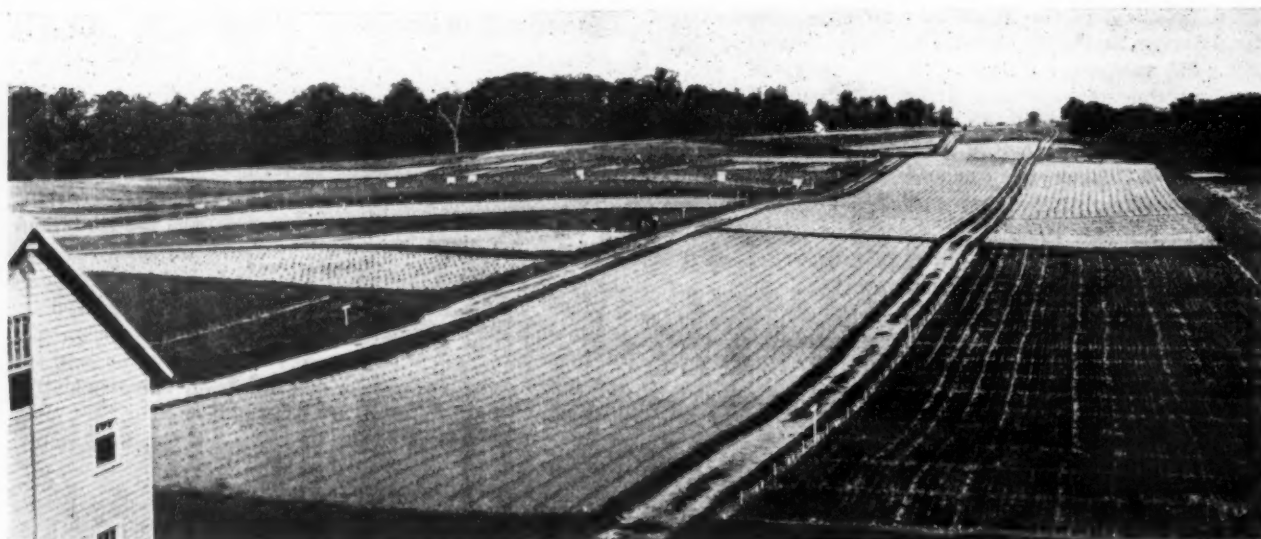
increase for the Southern States for the same period was 12.6 per cent.

Virginia holds a similarly enviable record in the matter of farm tenantry. In the Southern States as a whole tenantry increased from 48.1 per cent in 1900 to 52.2 per cent in 1925, whereas in Virginia tenantry decreased from 30.7 per cent in 1900 to 25.2 per cent in 1925. The percentage of bank failures and farm bankruptcies during recent years has also been much smaller for Virginia than for the country as a whole. Census figures indicate that from 1920 to 1926, 8.8 per cent of all of the banks in the United States failed, while during the same period only 1.5 per cent of the banks in Virginia failed. During this same period the number of bankruptcies per one thousand farms in Virginia was 2.4 per cent, while the number of bankruptcies per one thousand farms in the United States was 5.6 per cent.

That recommendations of the five-year program in regard to the production of food and feed crops has been carried out is evidenced by the fact that Virginia farmers still continue to produce a larger percentage of the food consumed on the farm than do the farmers in any other state in the Union. More hay and other home grown feeds for livestock were

produced by Virginia farmers in 1927 than in any previous year. That the recommendations in regard to lowering the cost of production are being carried out is evidenced by the fact that the crop yields per acre in Virginia are growing more rapidly than the crop yields per acre for the United States as a whole. The principal crops grown in Virginia, that are grown in most other states, are corn, wheat, oats, hay and potatoes, and census figures show there have been steady increases in the yields of each of these crops for the past 25 years.

In order to show how the yields of Virginia compare with the yields in the United States as a whole, the average yields for three eight-year periods have been taken. These periods are from 1900 to 1907; 1908 to 1915, and 1920 to 1927. The average yield per acre of corn for the first period was 22.2 bushels; for the second period 24.4 bushels and for the third period 26.5 bushels. Whereas the average yield of corn for the United States for the first period was 25.8 bushels; for the second period 26.2 bushels and for the third period 28.2 bushels. In other words, while the average yield of corn for



VIEW OF THE AGRONOMY FIELD PLATS AT BLACKSBURG.

the United States has increased 2.4 bushels, the average yield for Virginia has increased 4.3 bushels. Similarly, during the last 25 years the yield per acre of wheat for the United States has increased one-fourth of a bushel and the yield per acre in Virginia has increased two and one-half bushels. The increase in yield per acre of oats for the United States has been less than one bushel, while the increase in Virginia has been nearly five bushels. But the best showing of all has been made with Irish potatoes. During the last 25 years the yields per acre for this crop for the United States as a whole have increased from 90 bushels to 109 bushels,

employing agents during the past ten years made an increase of only 29 per cent in the acreage planted to alfalfa in 1925, while ten counties employing agents continuously made an increase of 71 per cent. During this same period in the counties not employing agents there was an increase of 7 per cent in the number of gallons of milk per cow, while in the counties employing agents there was an increase of 31 per cent. Similarly, there was an actual decrease in the number of eggs per hen in the counties without agents, while there was an increase of 17 per cent in the counties with agents.

The census figures for 1924 indicate that Virginia farmers



BUCKINGHAM COUNTY, VIRGINIA, ONE OF THE LEADING POULTRY COUNTIES OF THE COUNTRY.

while the yields per acre in Virginia have increased from 72 bushels to 112 bushels.

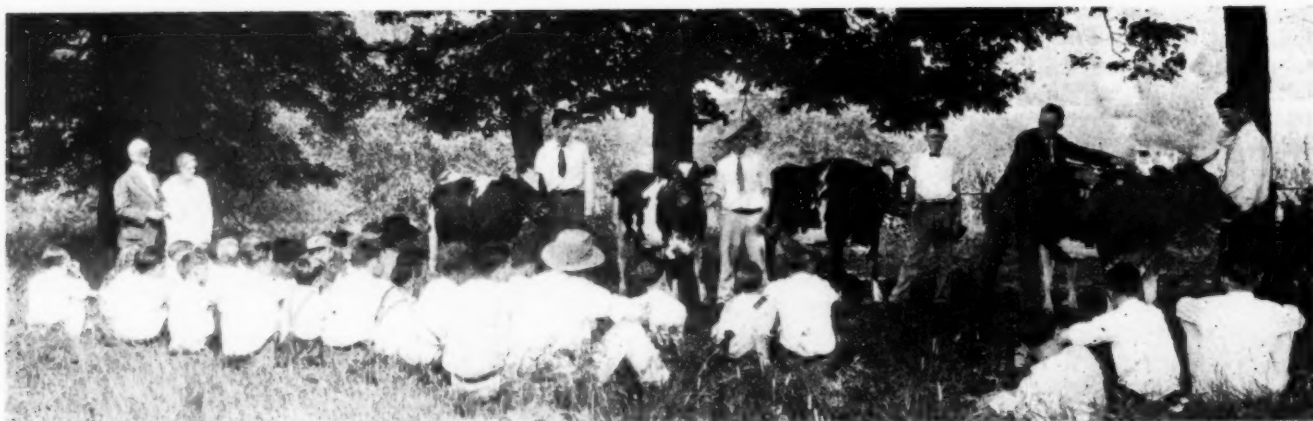
Progress is being made by Virginia farmers in fitting production to consumption. This is borne out by the rapid increase in the growth of soil-improving crops and the production of types of livestock which are proving most profitable. Virginia is much ahead of the average Southern State in the growing of legumes and pastures, and in the production of dairy cattle, poultry, sheep and other livestock. From 1919 to 1925 there was an increase of 42.2 per cent in the number of acres planted to annual legumes in Virginia, an increase of 14.8 per cent in the total milk production, and an increase of approximately 7 per cent in the total egg production. In this connection it is particularly interesting to note that the counties employing farm and home demonstration agents are making the greatest progress in adjusting production to consumption. This is borne out by the fact that ten counties not

have not been asleep in the matter of working out better methods of distribution for their products, for during that year the total value of crops marketed co-operatively in Virginia was more than \$20,000,000 and the value of supplies bought co-operatively more than \$1,250,000. In that year Virginia led the Southern States in co-operative sales and purchases. The Eastern Shore Produce Exchange, the Southwest Virginia Produce Exchange, the Maryland-Virginia Milk Producers Association, and the Livestock Shipping Associations have demonstrated conclusively that farmers can improve the methods of distribution of their products through co-operation in marketing. The Producers Exchange, the Virginia Seed Service and the Rockingham County Farm Bureau have demonstrated that farmers can effect savings through the purchase of quality products for cash.

Increased earnings from better methods are being translated into better standards of living by Virginia farmers, as



THIS KIND OF WORK IS BRINGING VIRGINIA AGAIN TO THE FRONT AS A SHEEP STATE.



YOUNG VIRGINIANS LEARNING DAIRYING AT FIRST HAND.

is also evidenced by census figures, which show that the per acre crop land value of farm machinery for the Southern States is \$4.77, whereas, the per acre crop land value of farm machinery in Virginia is \$7.45. In 1925 3.5 per cent of the farmers of Virginia owned tractors, while the percentage for the Southern States was only 2.2 per cent. Similarly, 2 per cent of the Virginia farmers owned radio sets, compared with 1 per cent for the Southern States; and 4.2 per cent of the farmers in Virginia had gas and electric lights as compared with 2.6 per cent for the South as a whole.

The foregoing figures are not meant to convey the impres-

sion that Virginia farmers have solved all their problems, but simply show that through careful planning and business methods they have been able to lessen the evils of the agricultural depression. Before most of the problems confronting the farmers of this State can be successfully met, there must be better organization for educational, social and legislative purposes. Only a very small percentage of Virginia farmers at present belong to any general farm organization. However, plans are being made to overcome this difficulty and within the next five years it is believed a strong general organization will be developed among the farmers of the State.

Eastern Interests Buy Louisiana Sugar Mill and Lands.

New Orleans, La., July 30—[Special.]—The Canal Bank and Trust Company has announced the sale to Eastern interests of a sugar plantation on Bayou Lafourche that may be the nucleus of a large holding later on. This was the Valentine Sugar Company, Inc., about five miles below Lockport; 700 acres of cultivable land, some woods land, and a factory of 1200 tons capacity.

The consideration reported was in the neighborhood of \$300,000. The property was formerly owned by the Marine Bank and Trust Company, recently merged with the Canal Bank. What is considered significant of the upturn in sugar values in Louisiana is the fact that the price was in excess of the investment the Marine had in the plantation. At this time, the name of the purchaser cannot be made public, because of plans for other possible purchases.

Restricting Foreign Materials for Government Use.

Washington, July 28—[Special.]—Still further restriction in the use of foreign materials and supplies in construction and maintenance of Government buildings and in purchase of Government supplies has been adopted as a policy and practice by the Bureau of the Budget on recommendation by the interdepartmental board of contracts and adjustments. Regulations long have been effective to limit purchases of Government foreign supplies, but the latest ruling lays down further limitations when American-made products are available.

The following paragraph now will be included in the standard Government form of instruction to bidders:

"Preference for Domestic Articles and Materials: Preference will be given to articles or materials of domestic production, conditions of quality and price, including duty, being equal. Unless otherwise stated in the bid, it will be understood that domestic articles or materials only will be used, and the use of foreign articles or materials will not be

permitted unless (1) they are of a better quality, or (2) being equal in quality will be furnished at lower cost to the Government, or (3) domestic articles or materials are not available.

"The term, 'domestic articles or materials,' in this connection means articles or materials manufactured or assembled in the United States or its possessions."

E. W. Cushing, counsel for the Budget Bureau, has expressed belief that this ruling will serve better to carry out existing law than was done under the rule until recently in operation.

\$450,000 Apartment Building for St. Louis.

St. Louis, Mo.—Robert P. Hutcheson, Chicago, awarded contract to the Herman Meyer Construction Company, St. Louis, for erecting a \$450,000 apartment building on Grand boulevard, between Russell avenue and Flora place, this city. The building will be 11 stories, to contain 60 suites each with bath, and will be equipped with two elevators. A lobby will extend across the width of the structure. Tisdale, Stone & Pinson, Nashville, Tenn., are the architects.

Fabricated Structural Steel Orders.

New orders of fabricated structural steel in June, as reported to the Department of Commerce by the principal manufacturers, were 81 per cent of capacity, based on total orders of 233,775 tons reported by fabricators with a capacity of 289,430 tons per month, as against May orders of 83 per cent of capacity and 61 per cent a year ago. Shipments in June represented 72 per cent of the capacity of firms reporting, as against 70 per cent in May and 69 per cent a year ago.

Birmingham Hotel in Baker Chain.

Birmingham, Ala.—The Baker Hotel, Inc., of Dallas, Tex., has leased the Thomas Jefferson Hotel under construction in this city, which is expected to be ready for opening in December. The building is 19 stories, of stone finish, and contains about 350 rooms. This is the first extension of the Baker hotel chain outside of Texas.

BALTIMORE & OHIO BUYS INTER-PLANT RAILROAD AT BALTIMORE.

Believed to Foreshadow Important Developments in New Industrial Sections.

Purchase of the Curtis Bay Railroad from the Davison Chemical Co., Baltimore, by the Baltimore & Ohio Railroad, has been arranged subject to approval of the Interstate Commerce Commission. Although only $5\frac{1}{2}$ miles long its acquisition by the trunk line railroad is looked upon as foreshadowing important developments in the Curtis Bay and Marley Neck sections. The Baltimore & Ohio now plans to build a reinforced concrete bridge over Curtis Bay to give it a direct line into the section, which is rapidly developing as an industrial center. The railroad has also acquired 24 acres of land for use as additional right of way. The Curtis Bay Railroad serves the Davison plants, the Miller Fertilizer Company and the Swift Company's fertilizer plant, and connects by car float with the three trunk lines entering Baltimore. Direct railroad service will expedite transportation, especially in winter when the movement of floats is hampered by ice in the harbor.

Recently the Washington, Baltimore & Annapolis Electric Railway, controlled by the Consolidated Gas Electric Light and Power Co., acquired a right of way from Shipley Station, Anne Arundel County, into the section where the Davison plant is located. It is believed that the electric railway is looking to the future development of the district by placing itself in a position to construct a deep water terminal should the property be acquired by a trunk line.

Extending Texas Panhandle-Kansas City Gas Pipe Line.

The Oklahoma Contracting Company, Dallas, Tex., is constructing for the Cities Service Gas Company, a 20-inch natural gas pipe line from Wichita, Kan., to Ottawa, Kan., this being a continuation of the line completed several months ago from the Texas Panhandle to Wichita, by Booth & Flynn, Pittsburgh, Pa. The line is to be completed in 87 days, and in order to accomplish this, three main line gangs and one river gang are engaged.

The Oklahoma Contracting Company has laid approximately 2000 miles of pipe line in the past three or four years for the following companies: Humble Pipe Line Company, Houston, Tex.; Lone Star Gas Company, Houston; Shell Pipe Line Corporation, St. Louis; Pasotex Pipe Line Company (Standard Oil of California), El Paso, Tex., and Ford, Bacon & Davis, engineers, Colorado Springs, Col.

Plans for \$1,750,000 Criminal Courts Building.

New Orleans, La.—Plans have been approved by the Commission Council for the proposed \$1,750,000 criminal courts and parish prison building to be erected here. The structure will be of Classic design, 415 feet long, 70 feet high, 4 stories, with granite base and Corinthian limestone pillars to the height of the building. It will contain 7 court rooms on the second floor each to be 2 stories, about 45 by 40 feet. Diboll & Owen, Ltd., New Orleans, are the architects.

\$850,000 Fruit Auction House Let to Contract.

St. Louis, Mo.—The Wabash Railway Company, J. E. Taussig, president, has awarded contract to the Boaz-Kiel Construction Company, of this city, for erecting an \$850,000 fruit auction house here, which will be served by two tracks and will have a capacity for unloading 75 cars of fruit at one time. The building will be 780 by 60 feet, with the

administrative end of it 140 by 82 feet, three stories, of reinforced concrete and brick veneer. The display and distributing room will be 630 feet long, of structural steel, with gypsum roof and metal partitions. An assembly room and other space will be provided on the first floor of the administrative section, while the second floor will provide space for offices of the American Fruit Auction Company and for an auction room to seat 250. A portion of the second floor and the entire third floor will be available for office space for commission houses. Plans and specifications have been prepared by R. E. Mohr, Wabash architect.

\$1,250,000 CRISP COUNTY POWER PROJECT LET TO CONTRACT.

Hydro-Electric Plant on Flint River to Produce 18,000 Horsepower.

Cordele, Ga., July 26—[Special.]—Contract for the construction of the proposed \$1,250,000 hydro-electric power plant on Flint River for the Crisp County Power Commission, has been awarded to the L. E. Meyers Company, Chicago, and S. J. Groves & Sons Company, Cordele and Orlando, Fla., at a gross cost of \$776,837. Contract for hydraulic machinery and equipment was awarded to the Newport News Shipbuilding & Dry Dock Company, of Newport News, Va., at \$99,300, and for electrical machinery to the General Electric Company, Schenectady, N. Y., at \$102,500. Construction will begin at once and under the terms of the contracts builders are expected to have the plant ready for delivery within a year. A Federal power license for the projects has been obtained.

The construction of this plant is the outgrowth of a desire on the part of citizens of Crisp County to develop the water-power of Flint River for industrial purposes and to stimulate industrial expansion in the county. A bond issue was voted to finance the project, which will produce and make available 18,000 horsepower. Emmett S. Killebrew, Albany, Ga., is the engineer in charge, and J. J. Williams, president of the Exchange Bank of Cordele, is chairman of the Crisp County Power Commission.

To Begin \$9,000,000 Drainage Improvements.

New Orleans, La.—The Sewerage and Water Board plans to issue \$4,000,000 of a \$9,000,000 bond issue voted in April to provide adequate drainage facilities and extend relief to sections of the city affected by floods during recent heavy rains. According to George G. Earl, general superintendent of the sewerage and water board, the bond issue provides for the purchase of needed machinery, which will include a 15,000-kilowatt turbine for the general power station of the sewerage system, and additional pumps for district pumping stations. The new turbine will more than double the capacity of the Carrollton power station, where two 6000-kilowatt turbines are already in use, while the new pumps will increase the flow at the stations in which they are to be installed from 700 cubic feet per second to 1000 cubic feet. Work will also be started on the enlargement of key canals of the drainage system and construction will be hastened on the new purification plant.

\$243,000 Contract for University Dormitory.

Gainesville, Fla.—The State Board of Control, P. K. Yonge, chairman, Jacksonville, awarded general contract at \$243,000, to Sutton Brothers, Jacksonville, for the erection of a men's dormitory for the University of Florida. The building will be four stories and basement, of reinforced concrete and brick construction, stone trim, slate and composition roof, concrete, terrazzo and tile floors. Rudolph Weaver, of the Architectural Department of the University, is the architect.

Letters From Our Readers

The MANUFACTURERS RECORD is being swamped with letters in regard to the political situation. Some are letters of bitter criticism; most of them are letters of strong commendation of the position taken by this paper. From time to time, as space permits, we will publish these letters regardless of whether they are letters of commendation or criticism.

These letters must not discuss the political question from the religious standpoint.

"While the Candle Holds Out to Burn the Vilest Sinner May Return" and So May the Democratic Party When It Repents of Its Present Blunder.

Chattanooga Chapter,
Associated General Contractors of America.
Chattanooga, Tenn., July 20.

Editor Manufacturers Record:

"A New Declaration of Independence Needed," on the cover page of the MANUFACTURERS RECORD, July 5 issue, is bringing results, as indicated by expressions of J. J. Foley of Covington, La., and C. F. Roehl of Fort Worth, Texas, in the issue of July 19. Wonder where and when these two "Americans" were naturalized, anyhow?

Being a constant reader of the MANUFACTURERS RECORD for 20 years, I am free to say I have found you to be absolutely sound in your Democratic doctrines—fair, fearless and open, and pretty generally correct on all questions.

Your diagnosis of the alleged Democratic convention held in Houston, and your stand against Tammany Smith, Raskob et al is most admirable. In order to endeavor to save the wreckage in the South, this rump convention tacked Joe Robinson of Arkansas, avowed Prohibitionist, on the tail of the ticket—a wet nose and a dry tail—rather ridiculous, eh?

I was born and reared in the South; have voted the Democratic ticket consistently for 40 years, but I cannot stomach Tammany Smith and his whisky-soaked, free trade and unrestricted immigration platform. If Tammany and the whisky crowd constitute and represent the Democratic party, the poor old thing is gone to hell without any redemption.

Here's hoping you may be permitted to continue the good work many, many years hence.

T. J. KENNEDY.

We Are Not Attempting to Change Governor Smith's "Principles."

Elberton, Ga., July 16.

Editor Manufacturers Record:

I do not approve of your dabbling into matters which are entirely out of your field. You are entitled to your own personal opinions and so am I, but when you undertake to air yours at my expense, you go too far. I am an Al Smith man and feel that he is entitled to his principles. This is a free country and the MANUFACTURERS RECORD, if it represents Southern industry, should consider the viewpoint of both sides. I do not want your paper.

C. COMOLLI.

Glad One Other Paper Dared to Publish It.

McCollister Brothers, Inc.
Shreveport, La., July 18.

Editor Manufacturers Record:

The writer is a reader of your magazine. I firmly believe that if the editorial on the front page of your July 5 issue could be nationally broadcast it would help to defeat Mr. Smith. A copy of this was run in our local paper, the Shreveport Times, in the issue of July 17.

Yours for more Hoover boosting.

GEORGE S. MOODY, Sales Manager.

A New Yorker Defends Governor Smith Against Some Statements in the Manufacturers Record.

Bank of New York and Trust Company.

New York, July 16.

Editor Manufacturers Record:

When I read in your June 21 issue, wherein you comment on Mr. Hoover's nomination, the statement, "The Democratic party, it is hoped, will, at Houston, set an equally high standard in the selection of a candidate and not name a Tammany politician or any other man of that stamp," there was little question as to whom you referred, for Governor Smith's nomination already seemed assured. Consequently, I looked for unfavorable comment from you upon his final selection. But I hardly expected the outburst of personal abuse and misrepresentations which comprised the editorial, "Governor Smith Is His Own Platform."

I wish to protest against this article which shows either utter ignorance of the facts or a deliberate attempt to mislead your readers. It is an insult to the intelligence of the people of the South, the 12,000,000 people of New York State, as well as the many prominent public spirited men who have been associated with Governor Smith in his solution of New York problems, including such leading Republicans as the Honorable Elihu Root and the Honorable Charles E. Hughes. Nor do I think the cause of tolerance, religious and otherwise, is advanced when editors who assume the responsibility of molding public opinion are so unfair themselves.

So that you may find space in the MANUFACTURERS RECORD for this letter, I shall reply to only a few of your statements. You say: "They (the people of the South as a whole—the substantial, patriotic, self-respecting average Southern man and woman) are opposed to practically everything for which Governor Smith stands and which he personally represents." Exactly what is it for which Governor Smith "stands," as demonstrated by his record, and which of these achievements do the intelligent people of the South oppose? Do they object to his outstanding record on social legislation—his improvement of working conditions for men, women and children, as well as his improvement in the caretaking of the State's wards in asylums and hospitals? Do they object to his record in improving the rural school system?—this should be of especial interest to the intelligent people of the rural South. Is fault to be found in his program for the removal of the grade crossing menace in the State, or the program for the construction of new roads? And to come to the material side of things, is the South opposed to modernization and increased efficiency in government as demonstrated by Governor Smith's reorganization of the New York State departments, which has reduced them in number from about 100 to about a dozen and a half, besides reducing income taxes? And surely the South is not opposed to his record on honesty, as demonstrated by his prompt action, even in his own party, when evidence of corruption has been given him, or his record for appointing honest men to office.

So much for what he "stands for," now, as to what he "represents personally." Do you know that Governor Smith's personal life has been under the close scrutiny of New York Republicans for the past 25 years and that they have not yet found anything with which to hurt him? I believe that, while Governor Smith has his shortcomings, as have all of us, the group of Southern people to whom you refer will recognize in him, before the campaign is over, a true American who is ably fitted to give our Nation aggressive leadership, and inspire our population, especially the young manhood and womanhood, with his truly American principles. They will learn of his early childhood, with its humble beginnings and its handicaps in environment; also, his struggles as a young boy to support his dependent mother. His early manhood will be reviewed as a member of Tammany, when he began climbing the ladder of success, first as a holder of unimportant offices, then a member of the Legislature for many years, and finally as Governor of that State. And the Tammany bugaboo will be exploded when they learn that, in spite of the support of Tammany, in all his long public life up to the present day he has never been found to use his power for his personal gain, although he is a poor man. Dealing further with the man personally, they will find that he has had a happy

family life and that he is practical in exercising his religious belief.

Again, I quote you: "To say, first, that Governor Smith is a self-made man, attaining his present position through sheer ability, and, second, that Tammany Hall has been purified of its evil ways, is false and ridiculous. * * * Had he not made good for Tammany, he would not stand where he does today." This is the highest compliment you could pay Tammany in the light of Governor Smith's record, which I have outlined very briefly above. It is likewise true that he has "made good for Tammany." Yet greatest credit is due to Governor Smith himself because otherwise he should not have been able to force a hostile Republican Legislature (whose principal issue has been "Tammany") to support most of the reform listed above, and which has enabled him to become Governor of New York four times, an honor no other individual, not even that great American, the late Theodore Roosevelt, has ever shared. Tammany has not done this, nor has the Democratic party done it, because New York is normally Republican; but it is due to many thousands of people who put principles above party label and vote for Governor Smith because he has been tried and found sincere, honest and competent. If Governor Smith's governorship is a measure for Tammany rule, its record stands out in comparison with that of the last eight years in Washington in the point of accomplishment and honest government.

The South is very much interested in Prohibition, and many enemies of Governor Smith are misrepresenting him on this issue. Governor Smith has explained many times in his public utterances his reasons for signing the repeal of the dry law enforcement Act in New York, and those interested should have no difficulty in finding them. Furthermore, Governor Smith is opposed to the saloon and in favor of Prohibition, but he does maintain that in its present form the Volstead law is unenforceable in at least certain sections of the country—which the conditions would tend to prove. It will be found before the campaign is very far advanced that Governor Smith will make himself perfectly clear on what he has in mind, and I believe that the plan he will suggest will meet the endorsement of the people of the South who are concerned over the present disregard of the Prohibition law.

In closing, let me say that Governor Smith does not campaign on personalities, although if "Tammany" is made an issue he will be found to have ample material to effectively return in kind. But I do have confidence in the sportsmanship of the majority of our citizens and their insistence upon fair play.

ADOLPH O. INFANGER.

[We willingly give space to this letter from Mr. Infanger, desiring, as in all the work of the MANUFACTURERS RECORD, to be fair to those whose views are entirely different from the views of this paper, but there are two or three points to which we must call Mr. Infanger's attention.

The statement to which he refers was not written from "utter ignorance or a deliberate attempt to mislead the readers of this paper." If Mr. Infanger wants more complete information as to Tammany than he seems to have we shall be glad to furnish it.

He states that the article was "an insult to the intelligence of the people of the South and 12,000,000 people of New York State, etc." Now, Governor Smith does not represent 12,000,000 people of New York State by a great deal. New York State has 62 counties, 57 of them outside of New York City. Governor Smith in 1926 lost 53 out of the 57 counties, carrying only Albany and Troy, where the machine controlled; Clinton county, the bootlegger county on the Canadian border, and Utica by a narrow margin. In 1924 Governor Smith lost every one of the 62 counties of New York State, except New York City and Albany. Therefore, the MANUFACTURERS RECORD did not "insult the intelligence" of the people of these counties which did not vote for Governor Smith, nor did it insult the intelligence of a large proportion of the business men of New York. Surely it did not "insult the intelligence of the people of the South," for a very large proportion of the people of the South, outside of those dominated by the political machine, are bitterly opposed to Governor Smith.

The MANUFACTURERS RECORD did not raise the question of "tolerance" or religious views. That is entirely foreign to the position which it has taken.

Perhaps the best answer we can give to the letter of Mr. Infanger is an extract from a letter by Senator Robert L. Owen, for 18 years an honored Democratic Senator from Oklahoma. On May 8, last, former Senator Owen wrote a very

long and vigorous letter to the editor of the Tulsa Tribune against the nomination of Governor Smith. That letter has been widely distributed throughout the country. In reply to an inquiry from the MANUFACTURERS RECORD as to whether he had changed his views since the nomination of Governor Smith, Senator Owen wrote that he had not changed his views on the matter.

From Senator Owen's letter we take the following:

"By this secret, cautious, sagacious plan, adequately financed, Tammany has successfully captured hundreds of delegates and demonstrated to the thoughtless public the enormous popularity of Tammany's candidate while the inattentive Democracy and unfinanced potential candidates all look on in stupefied amazement.

"Great is Tammany, admirable in its simple, direct efficiency. It has its return for work done and money expended. It knows how to steal the governing power of the people, and with their stolen goods is demanding indorsement by acclamation at Houston.

"Let all the unintelligencia jump in the band wagon quickly, but let honest, intelligent Democrats stand firm and remember that the patriotic men and women of our beloved country and the dry and progressive forces of America are yet to be heard from.

"The moral and ethical law is as certain as the law of gravity, and will be vindicated in due time by a power of which the Tammany leaders know little.

"Tammany is not a man, it is a combination of all sorts of men. It is a corrupt political system and an auxiliary of the stand-pat Republicans in all times of need.

"It fought with the Republicans against Samuel J. Tilden.

"It fought with the Republicans against Grover Cleveland.

"It fought with the Republicans against William J. Bryan.

"It fought with the Republicans against Woodrow Wilson.

"It fought with the Republicans to defeat James M. Cox.

"It fought with the Republicans to defeat John W. Davis.

"Its Congressmen supported Joe Cannon, the mouthpiece of plutocracy in the House of Representatives.

"Tammany is controlled by a constituency which is of foreign origin, and of foreign ideals, favoring wide-open immigration, opposing the national prohibition policy, favoring and practicing nullification of the Eighteenth Amendment and the Volstead Act. It has deliberately pursued a policy to split and disorganize the National Democracy over the wet and dry question, and over a religious controversy to the enormous advantage of the standpat Republicans. Tammany is equally the secret enemy of the progressive Republicans and of the progressive Democrats.

"Governor Smith is not to be regarded as a mere man. He is an institution built up by the Tammany-controlling forces. He is subject to their influences and will assuredly represent their views for he owes everything to their support.

"Tammany is truly unfit to lead the progressive democracy of America, and those who have loved Woodrow Wilson and William J. Bryan and Grover Cleveland and Samuel J. Tilden will find it impossible to follow the Tammany leadership. Millions of Democrats will revolt. No Democrat can possibly win who is too timid or too feeble to protest against the dominance of Tammany Hall."—Editor MANUFACTURERS RECORD.]

For the Dawn of a Better Day for the South.

Arthur B. Chilton,
Attorney at Law,

Montgomery, Ala., July 12.

Editor Manufacturers Record:

I want to congratulate you on your front-page editorial on July 5 and also your editorial on page 54 of your issue of July 12.

You are doing more than any man I know of to bring about the dawn of a better day for the South. Keep up the good work.

ARTHUR B. CHILTON.

A Service to the Country.

Lake Charles, La., July 14.

Editor Manufacturers Record:

Kindly mail me five copies of the MANUFACTURERS RECORD of July 5. I think you have rendered the American people a real service in giving them the cold and unadulterated facts in your two articles "A New Declaration of Independence Needed" and "Gov. Smith Is His Own Platform."

T. J. LOWTHER.

"Not Tied to the Chariot Wheels" of Tammany.

Atmore, Ala., July 18.

Editor Manufacturers Record:

I am very fond of reading your editorials, which I do here in the office of the Bank of Atmore, and I think the one on the "Tammany Tiger Swallowing the Democratic Donkey at Houston," July 12, was especially good and true.

There are tens of thousands of Prohibitionists in Alabama who have always voted the Democratic ticket from top to bottom, and never contemplated doing anything else, but who this year will vote against Smith and Robinson, and then vote for all the regular nominees for county and state offices and Congress. They realize that Smith's vision is too much limited by Tammany and New York City, so largely foreign, and that his setting himself up to be "his own platform" is entirely too much like Phaethon vaingloriously setting out to drive the chariot of the sun.

Smith's open repudiation of the "dry" feature of the platform is not only indicative of what else he would do if elected, but also is made all the plainer by his selecting as national chairman J. J. Raskob, one of the principal directors of the "Association Against the Prohibition Amendment," and who, on being selected for that position, proclaims openly that Prohibition is "a damnable affliction." He and Smith would be too great an infliction to place upon the people of the United States.

For 40 years I have been a member of the Alabama Conference, M. E. Church, South, and for 38 I have been a Democratic voter, never before scratching a ticket, but this year I will.

The Prohibitionists of Alabama are not tied to the chariot wheels of Tammany and booze. Hundreds of our Protestant preachers are speaking out boldly in their pulpits and elsewhere and, with the future of Prohibition and other important matters so much at stake, tens of thousands of Alabamians will not vote for the wet Tammany chief, but for Herbert Hoover. The November election will show this statement to be correct.

JAMES M. GLENN.

Our Friend Is Mistaken—We Are Crowding on the Facts About Southern Industrial Development.

Southern Finance and Construction Corporation.

Meridian, Miss., July 20.

Editor Manufacturers Record:

I notice the MANUFACTURERS RECORD is devoting more space and advice to the Southern Democrats than to industrial development.

Out of curiosity, I would like to ask you one question: Since when have you voted for a Democratic President? On page 56 of your issue of July 19 you would leave the impression that you are a Democrat.

S. A. NEVILLE.

[The editor of this paper called himself a Democrat for many years, but for many years now he has voted for the men who in his opinion would best serve his city, state or country—sometimes for Democrats and sometimes for Republicans.—Editor MANUFACTURERS RECORD.]

A Voice of Commendation From Florida.

Calvary Baptist Church,
Edmund D. Webber, D.D.

Daytona Beach, Fla., July 10.

Editor Manufacturers Record:

It was with most hearty agreement and fervent thankfulness that I read your editorials in last week's MANUFACTURERS RECORD—both the one on the cover page and that on "Governor Smith Is His Own Platform." They are so clear and cogent, it seems impossible that any well-balanced mind can escape their conclusions.

I believe the MANUFACTURERS RECORD and its editor will be a mighty force for sanity and righteousness in these days of tremendous import.

E. D. WEBBER.

TEXTILE

Bids on \$10,000,000 Rayon Plant.

The Industrial Rayon Corporation, Cleveland, Ohio, will receive bids August 6 for the construction of a rayon plant at Covington, Va., to cost approximately \$10,000,000. Buildings to be erected will consist of a storage warehouse, 5-story concrete mass preparation building, main manufacturing plant and a power plant. The total constructed area will approximate 350,000 square feet. J. E. Sirrine & Company, Greenville, S. C., are the engineers. The following contractors are estimating: The Hunkin-Conkey Construction Company, Rutherford Construction Company, Crowell & Little Construction Company, Craig-Curtiss Company, Lundorf-Bicknell Company and the H. K. Ferguson Company, all of Cleveland; Stone & Webster, Inc., the Foundation Company, James Stewart & Company, Inc., and Starrett Brothers, Inc., all of New York City; John T. Wilson Company, Inc., Richmond, Va.; Fiske-Carter Construction Company, Greenville, S. C.; the John W. Cowper Company, Inc., Buffalo, N. Y., and L. W. Hancock, Louisville, Ky.

Contracts Let for Two 15,000-Spindle Mills in Alabama.

Contract for the erection of a 15,000-spindle mill at Albertville, Ala., and a similar plant at Guntersville, Ala., for the Saratoga Victory Mills Company, Inc., a subsidiary of the American Manufacturing Company, Brooklyn, N. Y., has been awarded to the Smith & Williams Company, Inc., Atlanta. The contract also calls for the erection of a mill village at each plant of 50 dwellings. Robert & Company, Inc., of Atlanta, are the engineers. Production of the mills, each of which will also be equipped with 540 looms, will consist of satens and other fine goods.

Silk Throwing Mill for Greensboro.

Greensboro, N. C.—Meyer and Samuel Grobart and Joseph Lebauer, all of Paterson, N. J., have negotiated for a long term lease on a mill building to be erected for them by the Richardson Realty Company, Inc., at a cost of \$40,000. The lessees will install \$100,000 worth of machinery for silk throwing. The building will be 60 by 200 feet, of daylight construction, with a single roof, while an office building attached will be 31 by 32 feet. Harry Barton is the architect and the Burns-Hammond Construction Company, general contractor, both of Greensboro.

Contract for Silk Mill at Charlottesville.

Frank Ix & Sons, Inc., North Bergen, N. J., have awarded contract to the Wilson Company, Charlottesville, Va., for erecting a \$65,000 silk mill at Charlottesville. The mill building will be 160 by 65 feet, 2 stories, of brick and steel construction, with a second floor span of 66 feet. It will contain about 20,000 square feet of floor space and will house 130 looms. Steel will be furnished by the Virginia Bridge & Iron Company, Roanoke, and steel sash by the Detroit Steel Products Company, Detroit, Mich. Ralph L. Hawkins is the resident engineer.

Promoting Royston (Ga.) Spinning Company.

J. M. Battson of Lavonia, Ga., and associates are promoting the organization of the Royston Spinning Company at Royston, Ga., for the establishment of a cotton yarn mill. Plans call for a \$25,000 building, 300 by 75 feet, to house 6142 spindles. The mill will employ 75 operatives initially.

IRON, STEEL AND METAL MARKET

Rail Orders Received—Steel Production Is Heavier—Better Earnings Reported.

Pittsburgh, July 30—[Special.]—The Norfolk and Western has ordered 40,000 tons of rails, including 29,000 tons from Carnegie and 11,000 tons from Bethlehem. It is stated that the order is about one-third smaller than the average of recent years.

Fabricated structural steel lettings reported last week totaled 33,000 tons, making an average week after four weeks running much above the average. Lettings in the first half of the year made a new high record by 10.7 per cent and the fabricating shops are unusually well provided with orders.

There has been scarcely any freight car and locomotive buying for weeks and some of the car shops are likely to close shortly, except for repair work.

Steel production has been slightly heavier in the past fortnight than in the first half of July. The month will probably show a slight decrease from June, when production was at 76 per cent of capacity, but a gain over the rate at the end of June, which was scarcely above 70 per cent. August may bring a slight increase and there are expectations that there will be substantial increases later.

Chronically steel used to have a very dull summer, and progressively the summers have been growing less dull until now there is almost no discernible dullness. Steel production decreases but that is largely and perhaps wholly on account of the bulk of the rail deliveries being made during the first half of the year, deliveries usually decreasing even in June. The change, making steel less seasonal, is chiefly a reflection of the increasing closeness of hand to mouth buying, not merely by steel mill customers but in turn by their customers.

The steel consuming industries are all doing very well, except those that have long been dull, including freight car and locomotive building and drilling oil and gas wells. Just now a great deal of oil and gas line pipe is being shipped and additional large orders are expected.

The few steel company earnings reports thus far issued for the June quarter show substantial improvement over the first quarter, when there were large gains over the December quarter. That had been a very poor quarter, however. There was a large increase in steel shipments in the March quarter, while the next quarter was about the same. In each of the last two quarters there has been an increase, but a very slight one, in realized prices. The half year's earnings were on as large a tonnage as can be expected in present general conditions and were not at all satisfactory to the majority of producers. It appears that the determination of producers to secure higher prices is increased, and predictions are that prices will show an upward trend in the next few months.

Efforts continue to put bars, shapes and plates on an open market minimum of 1.90c, Pittsburgh, but it is still possible to buy from some mills at 1.85c. Nails are firmer at \$2.55 than they were before the formal reduction four weeks ago to that figure. It is definitely understood that mills will shortly mark up semi-finished steel from the \$32 level to which the market recently declined, the figure applying to billets, slabs and sheet bars. Sheets and strips have lost little if at all in the last few weeks and efforts to advance prices will probably be resumed in the near future, or as soon as an advance is asked on the raw material, as much sheet and strip tonnage is made from purchased steel.

The sudden and complete backdown of the United Mine Workers from the Jacksonville scale demand, with the dis-

tricts allowed to make settlements on terms "mutually satisfactory" is unlikely to be followed by any important developments in the Pittsburgh district, which is now established on an open shop basis, and has difficulty in selling its coal even at that. The Connellsville region continues to have a very dull coke market and is not shipping a great deal of coal.

Foundry pig-iron at valley furnaces is quotable at \$16.50 to \$16.75, the market having previously been quotable at \$16.75 but subject to some shading. Heavy melting steel scrap is stronger, being quotable at \$14 to \$14.50 delivered Pittsburgh district.

Activity in Tin, Antimony and Lead—Significant Changes in Zinc Industry—Copper Firm.

New York, July 30—[Special.]—Tin and antimony, which are of the same family chemically, displayed the most activity among the non-ferrous metals the past week. Tin rose to a level 3c per pound above the low for the year, in fact for four years, while antimony made a right-about-face in price trends and started advancing. The rise in tin was due to speculative tactics while the strength in antimony was due to the realization of the low shipments which have been made to this country from China in the past few weeks.

The other major metals were quiet and unchanged in price for the most part. Copper sales for export were about 1500 tons daily and a fair volume of small lots were bought and sold for domestic consumption. Lead was quite active as is normal for this month which often sees sharply advancing prices as fall consumption demands are being placed. It becomes increasingly apparent that zinc has entered the class of copper as far as price stability is concerned.

News from the steel industry was encouraging in that production increased after a long series of declines. This may mean that the tide of production has definitely turned for the year. The large amount of steel orders turned in this month has elicited much comment. The leading tin plate maker of the country has enough orders on books to insure at least 90 per cent operations through September thereby accounting for a large tin consumption. Demand for steel sheets has been very heavy, particularly for the manufacture of electric refrigerators and stoves, which will promote the consumption of zinc in galvanized sheets.

It is in the zinc industry that the greatest changes are taking place. The American Zinc Institute will make a formal announcement on August 1 of their revised methods of operating, including the exchange of weekly statistics among members and the decentralizing of the functions of this body. Moreover, there is said to be in contemplation a sliding scale agreement for the selling price of prime western slab zinc, the price to fluctuate in accordance with the fluctuation in the ore price. It has been noted that prime western slab zinc has been selling at 6.20c per pound, East St. Louis, just as long as the \$40 ore price has been maintained. The differential between the price of ore and smelted zinc averaged \$22.83 per ton in June whereas for the first four months of the year the average was \$20.50 per ton which is scarcely enough to allow of profits.

The price of antimony rose $\frac{1}{4}$ c per pound during the past week or to 9 $\frac{1}{2}$ c for prompt and 9 $\frac{3}{4}$ c for futures, duty paid. The rise was due to the small shipments coming to this country from China. Imports in June were 230 tons and July imports are probably less, whereas 600 to 700 tons per month is normal. Stocks in this country are 1100 tons, but most of these were bought at higher prices than now prevailing, hence holders are reluctant to sell until the price gets back to what

was paid. Consumption of antimony has been large this year, particularly on the part of battery manufacturers.

The tin price reached 49c per pound on Wednesday but reacted somewhat later in the week. The rise went contrary to the situation as forecast by statistics. World visible supplies increased sharply in July and will probably still gain during August and September. The rise was engineered by speculators at London. It was significant that the largest tin smelter in the world was started in Great Britain this month and there again appeared a great ballyhoo as to an impending tin shortage, propaganda which is resorted to every time some powerful interests wish higher prices. At any rate those dealers short of tin rushed to cover and buyers were more numerous than sellers. Consumers bought mostly prompt tin while speculators picked up futures for the most part. Selling in this country was in normal volume, about 1000 tons having changed hands during the week.

The firmness of the copper market is its principal feature. Users at Waterbury, Conn., pay 14 $\frac{3}{4}$ c; those at Pittsburgh, Detroit and Chicago pay 14 $\frac{1}{8}$ c, while the export quotation is still 15c c. i. f. European ports. Whereas a few weeks ago it was believed that the tightness in copper supply would be over by the end of July, some believe now that not until late fall will a normal supply be available. Consumers want mostly August delivery, but are frequently compelled to accept September delivery. A buying movement for October delivery is expected shortly. Germany continues to be the principal foreign buyer, with France a close second.

Copper business in the Lake Superior district is exceedingly brisk. More is being sold for export than for several months. Large shipments are being made to the automobile centers and into New England. Surpluses at refineries are practically nil, though normally at this season there is considerable.

Lead business is steady and perhaps a trifle better than average. Makers of lead-covered cables are the best customers, with manufacturers of plumbing supplies somewhat dormant purchasers. Prices are firm at 6c, East St. Louis, and 6.20c, New York. Whereas prices usually advance in July, stability is the order of the day this year.

Zinc price levels are unbroken at 6.20c for July and 6.25c for August. Consumers are wondering whether the price will automatically become 6.25c this week or whether 6.20c will apply as it did for prompt lead during July. Producers state they will hold to the higher figure.

Pig Iron Deliveries Steady With Base Price Firm.

Birmingham, Ala., July 30—[Special.]—Continuation of the policy of buying in small lots and against needs of the immediate future apparently beclouds the pig iron market. Deliveries are steady, there is no foundry iron being added to the surplus stock and the production is being fairly well maintained, nine blast furnaces producing this class of iron. Six furnaces are on basic iron and they are all large iron-makers. Two furnaces are making special brand iron. The surplus foundry iron will more than care for any excess demand for that class of the product through the remainder of the year. It is pointed out, however, that two furnaces are being relined and one furnace, which has been making foundry iron is being rebuilt. One furnace used in the manufacture of basic iron is being rebuilt and the second of the larger, new furnaces of the Tennessee Coal, Iron & Railroad Company, given over to basic production, is in shape and when the iron is needed can be put in full operation.

Base price of pig iron is firm at \$15.50 per ton, No. 2 foundry. Indications are that this base will be held through the remainder of the year though no inquiries have been reported nor sales made for delivery of iron into the fourth quarter. The weekly survey shows there will be a good demand for pig iron right along, the cast iron pressure pipe shops operat-

ing now above the average, with but one of the larger shops lagging in the least. The unfilled tonnage reports with the pipe shops on the close of the month are still favorable. Shipments of pressure pipe are very steady and in all directions. The pipe base price is firm, given at \$34 to \$35 on six-inch and over sizes. The pipe industry is one of the larger melters of iron in the district and the activity is closely watched. Despite the size of the industry, there is an inclination reported in this line as well as others, to maintain strictly the policy of buying pig iron as needs become apparent. Delivery is not a troublesome incident. In the home territory it is easy to observe constant moving of pig iron, scrap iron and steel, coke and other products. The radiator shop continues to give steady employment to its regular force of labor and its melt of iron is to the limit, still around 300 tons the week. Other interests are buying pig iron.

The steel industry is reported around 70 per cent capacity. Smaller shapes with a few heavier forms have been active of late. Fabricators of steel are reporting contracts now and then which add to the smaller tonnages favorably and keep shops going. Tank making is still showing increase. Shipment of various shapes of steel into the Southwest is also picking up some, reports being that there are bright prospects in Texas and other Southwestern States. Considerable basic iron and steel rail were recently moved from Birmingham via the barge service on the Warrior River for export and further business is anticipated. Machinery building here is on the increase, a large proportion of it for export.

Sales of a little iron for shipment into the northern territory have been heard of, the aggregate tonnage, however, not being great.

The coal industry is lagging, with weekly production in this State around 325,000 tons. The coke market is fairly good. All by-product works are in operation though some are not pressing the output. Foundry coke is quoted at \$5 per ton. Shipment to larger centers is still under way although not in heavy quantities, with prospects of improvement in the near future.

The scrap market is unchanged. Prices have been readjusted and in some instances are lower. Heavy melting steel is quoted at \$10.25. One of the active melters has been out of the market recently, work going around its plants.

PIG-IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$15.50; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$16.00; iron of 2.75 to 3.25 per cent silicon, \$16.50; iron of 3.25 to 3.75 per cent silicon, \$17.00; charcoal iron, f. o. b. furnace, \$29.00.

OLD MATERIAL.

Old steel axles	\$15.00 to \$15.50
Old iron axles	15.00 to 15.50
Old steel rails	11.50 to 12.50
Heavy melting steel.....	10.25 to 10.50
No. 1 cast.....	13.00 to 13.50
Stove plate	12.00 to 12.50
No. 1 railroad wrought.....	9.50 to 10.50
Old car wheels	12.00 to 12.50
Old tramcar wheels	12.50 to 13.00
Machine-shop turnings	8.00 to 9.00
Cast-iron borings	8.00 to 9.00
Cast-iron borings (chem.).....	13.00 to 13.50

Sinclair May Build \$15,000,000 Line From Oklahoma to Chicago.

The Sinclair Pipe Line Co., jointly owned by the Sinclair Consolidated Oil Corp. and the Standard Oil Co. of Indiana, is reported to plan doubling its pipe line facilities from the Mid-continent oil fields to Chicago, at a cost of \$15,000,000. The line will extend from Cushing field in Payne County, Oklahoma, to Whiting, Ind., and will serve the refineries of the Standard Oil of Indiana and the Sinclair Refining Company. It is also said that the company will increase the capacity of its Texas lines connecting the West Texas field with the present system, in order to deliver West Texas crude to the Chicago district.

GOOD ROADS AND STREETS

Manufacturers and Distributors to Have Special Day at Road Show.

A Manufacturers and Distributors Day has been set aside at the road show and convention of the American Road Builders' Association to be held in Cleveland next January. Saturday, January 12, immediately preceding the opening of the Road Show, has been selected by the directors. This is said to be an important innovation and will give an opportunity to manufacturers to meet with their distributors at a time when both are relieved of the pressure of taking care of customers and visitors. In the afternoon it is planned to hold a joint meeting to discuss subjects affecting the road building machinery industry. The problems of false credits, long terms, etc., will be among the important subjects for discussion. Possible standardization by various groups of manufacturers will also be touched upon.

\$417,000 West Virginia Road and Bridge Contracts.

Charleston, W. Va.—The State Road Commission has awarded contracts for 26 miles of roads and one bridge at a cost of more than \$417,000, including the following projects: Three miles of concrete in Hancock County, to George B. Patterson, Wellsville, Ohio, at \$64,000; 6 miles of macadam in Lewis County, to D. Rich, Weston, W. Va., \$75,385; 9 miles of stone base course in Mineral and Grant counties, E. G. Valentine, Frederick, Md., \$111,546; 8 miles of macadam in Nicholas County, A. Keathley, Charleston, \$135,565, and for the Spanishburg bridge in Mercer County, the Price Construction Company was awarded contract at \$9064 for the substructure, and E. R. Mills, Ashland, Ky., at \$21,677, for the superstructure.

\$500,000 Street Program at Richmond.

Richmond, Va.—A contract for paving a number of streets in the business section of Richmond with vitrified brick, has been awarded to the Old Dominion Construction Company, of this city, at \$123,000. This is the second Richmond street paving contract awarded to the Old Dominion company in the past few weeks, while a contract was also awarded a few weeks ago to McGuire & Rolfe, local contractors, at more than \$100,000, for paving in various sections of the city. Street improvements under way at this time are estimated to cost \$500,000.

\$11,500,000 Road Bonds Voted in Texas County.

Pharr, Tex.—Residents of the Pharr-San Juan district of Hidalgo County have voted a \$1,000,000 bond issue for the construction of roads, completing the list of districts voting bonds and taking in the entire county. This issue brings the total amount of bonds voted in the county to \$11,500,000. Approximately 50 miles of roads will be hard-surfaced with funds from this last issue and the Pharr-San Juan district committee will soon confer with the county court on the award of contracts.

\$611,000 Road Contract in Florida County.

Orlando, Fla.—Orange County, Charles A. Browne, chief engineer, has awarded contract at \$611,504, to the Hutton Construction Company, Sanford, Fla., for building 47.55 miles of 18-foot hard-surfaced roads. The work will consist of grading and drainage structures, with a 6-inch rock base and asphalt and slag surface.

\$750,000 Paving Program for Florida City.

Fort Myers, Fla.—A new paving program in Fort Myers, to involve the expenditure of \$750,000, has been proposed by the city commissioners and will be presented to the taxpayers at a public hearing. The project would include parts of 20 streets and embrace all main traffic arteries of the city.

Oklahoma to Let \$1,500,000 Road Contract.

Oklahoma City, Okla.—Bids will be opened August 14 by the State Highway Commission for road construction estimated to cost \$1,500,000, the work to cover 74 miles of paving, grading and drainage and the construction of a number of bridges. Of the total mileage, 41.5 miles will be of concrete, 16.5 miles of asphalt, 8.5 miles of asphalt resurfacing and 7.5 miles of a type to be selected.

\$930,000 Paving Program in Knoxville.

Knoxville, Tenn.—Resolutions have been introduced in the City Council authorizing an appropriation of \$400,000 for the construction of paving, some of which will be laid in new sub-divisions, such as Parkwood Manor and Lindbergh Forest and will be paid for by property owners. With approximately \$530,000 worth of paving now under way, this will bring the city's program to \$930,000.

\$913,000 Low Bid for Arlington Bascule Span.

Washington, D. C.—The Phoenix Bridge Company, Phoenixville, Pa., submitted low bid at \$913,136 for constructing a bascule draw span for the \$10,000,000 Arlington Memorial Bridge under construction here. The same firm bid \$19,000 additional for ornamental facia. Construction of the bridge is being handled by the Arlington Memorial Bridge Commission, Navy Building, Lieut. Col. U. S. Grant, Third, Executive officer.

Promoting \$1,600,000 Bridge at Wheeling.

Wheeling, W. Va.—The Greater Wheeling Free Bridge Association has been incorporated to promote the construction of a free bridge between this city and Zane on the Island. Tentative plans provide for a structure to cost about \$1,600,000 and it is the purpose of the association to have a bond issue submitted to a vote of the city for financing the project. Officers of the association include A. M. Schick, president; William S. Todd, vice-president; C. C. Pugh, secretary, and Joseph A. Reass, Jr., treasurer.

South Carolina County Sells \$265,000 Road Bonds.

Walterboro, S. C.—A bond issue of \$265,000 secured by reimbursement agreements with the State, has been sold by Colleton County to the South Carolina National Bank, Charleston, at par, accrued interest and premium of \$2,915. Proceeds will be used to build the old Charleston-Augusta highway from the Bamberg County line to the Dorchester County line; build a highway from Cottageville to the Edisto River, and one through Lodge to the Bamberg County line near Ehrhardt.

A tabulation of figures by the State Highway Commission, Frankfort, Ky., for surface treatment work on 9 road projects indicates that the total cost will be more than \$333,000 for oil treatment, or about \$352,000 for tar treatment.

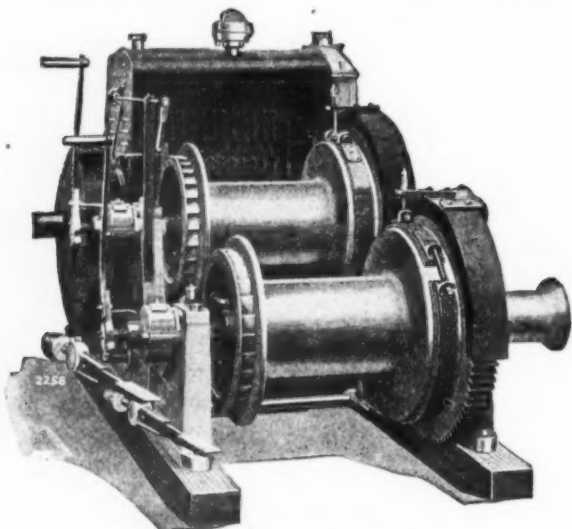
NEW AND IMPROVED EQUIPMENT

Lidgerwood Gasoline Hoist.

In order to increase the range of usefulness of their stock multi-purpose gasoline hoists, a new duty rating, 4000 pounds at 250 feet per minute, has been given the Super-Utility 40 gasoline hoist recently placed on the market by the Lidgerwood Manufacturing Company, Elizabeth, N. J. With the addition of this type, the Lidgerwood Utility line now includes sizes to handle all classes of general construction hoisting, from the Utility Hoist, pulling 2500 pounds at 150 feet per minute, to the 4000 pound line pull of the new hoist.

The Super-Utility 40 is built as a single drum hoist, with a second drum unit available for installation either at the factory or in the field, as required. The 40 horsepower, $4\frac{1}{2}$ -inch by $6\frac{1}{4}$ -inch four-cylinder gasoline motor supplies ample power for derrick work, making the application of a swinging gear unit entirely practical, states the company. The swinging gear may also be added or removed at any time.

The drums, 12-inch diameter, 20-inch face with 24-inch diameter flanges, hold 800 feet of $\frac{5}{8}$ -inch rope, the rope leading over the drum on both drums, which are fitted with powerful non-burn lined band brakes over the frictions at the gear ends. Cork inserts, pressed into the maple friction blocks in a staggered pattern, greatly increase the holding power of the blocks, with a corresponding decrease in operat-



THE SUPER-UTILITY 40.

ing effort. The drum shafts are extended and mount keyed winch heads, 7-inch diameter, $10\frac{1}{2}$ -inch face, which operate independent of the drums. A disc clutch mounted between the motor and the power-take-off shaft permits the starting of the motor under no load.

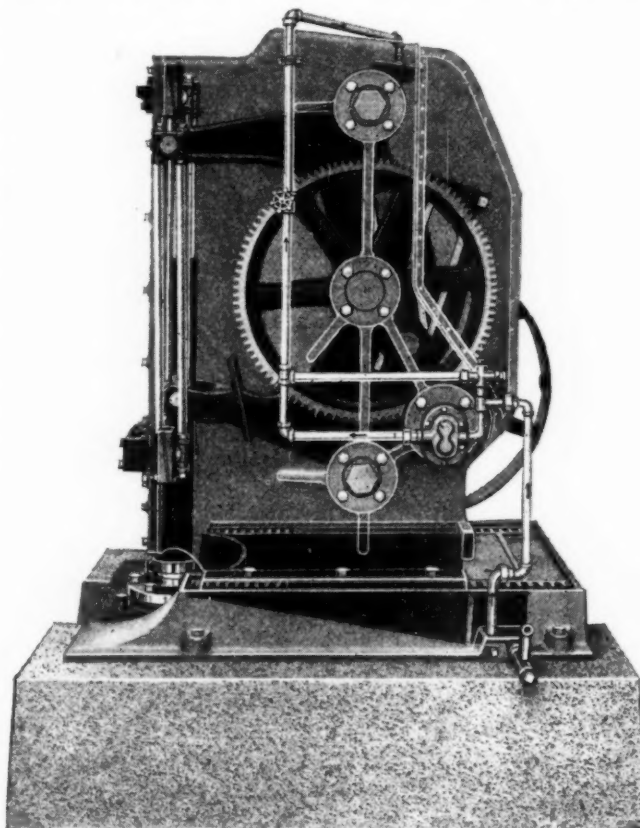
For straight runs of fairly uniform loads, the specialized hoists, such as the high speed elevator hoists and the heavy duty steel erector's hoists, are stated to be highly efficient. A great diversity of loads is typical of many construction jobs, however, and the general purpose hoist is regarded as better suited for this class of work. The Super-Utility 40, using three or five parts of rope, will handle heavy pieces at a good speed, the company says, yet it is economical when used on light hoisting.

\$4,000,000 Road Program Being Carried Out.

Sherman, Tex.—For carrying out Grayson County's \$4,000,000 road building program, the county commissioners have sold \$245,000 $4\frac{1}{2}$ per cent bonds to Garrett & Company, Dallas, at par, accrued interest and premium of \$7000.

Cook Deep-Well Pump.

Supplementary to the Cook type PH, overlapping two-stroke, self-oiling, deep-well pump which has been installed by many municipalities, ice-making and refrigerating plants and factories in the South, A. D. Cook, Inc., Lawrenceburg, Ind., has added a type PH3 to the larger sizes, to meet the demands



SIDE VIEW OF COOK TYPE PH PUMP.

of golf clubs, country estates, dairies and creameries, nurseries, truck gardens and industrial plants requiring moderate amounts of water.

The type PH3 is said to be especially efficient in wells of 150 to 200 feet in depth, yielding less than 50 G.P.M. One Texas city, after having tried out 10 type PH3 pumps, increased its installation to 20, the concern reports.

The manufacturer also announces a new plunger valve, designed to protract the life of cup leathers to three and four times the present average.

Motor Car of Semi-Trailer Type.

The aerocar, a semi-trailer type of motor vehicle, is being manufactured by the Aerocar Company at Opa-Locka, Fla. It is the invention of Glenn H. Curtiss, for many years prominent in the motor car and airplane industry. One of the vehicles has been sent to New York and Detroit for demonstration before automobile manufacturers interested in its development. It is thought that the new type of vehicle may help to revolutionize bulk hauling on the highways. In the pleasure car field, it is said to offer easy riding qualities, safety, increased roominess and low cost of operation, these being made possible by new body construction, eliminating the chassis and using a recently invented pneumatic coupler. The vehicle is being produced in the following models: Commercial car, de luxe limousine, school bus, camp car and touring model.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

The date at the end of an item indicates issue of the Manufacturers Record in which earlier facts about the same enterprise were published.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

Airports, Airplane Plants, Etc.

Md., Baltimore—Glenn L. Martin Co., Cleveland, Ohio, making engineering studies in connection with erection of airplane manufacturing plant at municipal airport. 2-9

Okla., Norman—City plans \$30,000 bond issue for airport. See Financial News.

Okla., Oklahoma City—Southwest Airways Co., capital \$25,000, incorporated; R. H. Tarbuton, 1215 W. Eighth St.

Tex., Brownsville—City let contract at \$17,080 to International Derrick and Equipment Co., Columbus, Ohio, for hangar; 1 story, 80x100x18 ft., steel trusses and iron siding; J. M. Van Law, Engr.

Tex., San Angelo—City receives bids Aug. 7 for airport hangar, 80x100 ft.

Tex., Waco—City voted \$75,000 bonds for airport.

Bridges, Culverts and Viaducts

Proposed Construction

Ala., Birmingham—City Comm. will let contract Sept. 1 for underpass, Fourteenth St. and Railroad Ave.; A. W. Hawkins, City Engr.

Ark., Helena—Tunica County, Miss., Philipps County, Ark., and City of Helena, have been granted right to build bridge across Mississippi River, near Helena; escrow, deposited in First Natl. Bank, Helena; E. M. Elliott and associates, Inc., 360 Michigan Blvd., Chicago, Ill., granted 90 days to complete survey and make bond for construction of bridge, from point in Tunica County, Miss., to point near Helena, Ark.

Ark., Pine Bluff—State Highway Comm., Little Rock, plans widening dirt approaches 18 to 30 ft. on each side, free bridge over Arkansas River, 6 mi. north of Pine Bluff.

Fla., St. Petersburg—Dr. H. Simmonds, Jr., 328 E. Eleventh St., reported, will present new proposal to War Dept., Washington, for Tampa Bay Bridge, connecting Piney and Pinellas Points. 7-26

Kentucky—State Highway Comm. received low bids for 4 bridges. See Roads, Streets, Paving.

Ky., Ashland—War Dept., Washington, approved plans for bridge across Ohio River between Ashland and Coal Grove, Ohio, to be built by Ashland Bridge Co., Thomas Bogges, Pres. 3-15

Ky., Paris—See Roads, Streets, Paving.

La., Rayville—Louisiana Highway Comm., Baton Rouge, received low bid from A. C. Campbell, Plain Dealing, for Big Creek Bridge, Rayville-Winnboro Highway, Richland Parish. 1-19

Maryland—State Roads Comm., Baltimore, received low bids for 2 bridges: Baltimore City—3-span steel and conc. bridge under Western Maryland R. R. tracks, Gwynns Falls Parkway, Thomas Mullan, 3945 Greenmount Ave., Baltimore, \$79,882; Montgomery County—3-span conc. and steel bridge over B. & O. R. R. tracks, Silver Springs to Bethesda, Poffinberger & Mause, Myersville, \$29,972. 7-19

Md., Baltimore—War Dept., Washington, approved plans Chesapeake Bay Bridge Co., Stuart S. Janney, Atty., Title Bldg., for conc. bridge across Chesapeake Bay, from near Back River to Hart and Miller's Island, Baltimore County, to point in Kent County; revised plans provide for 440-ft. and 840-ft. spans over west channel, 680-ft. and 370-ft. spans, and 370-ft. lift span over east channel; all 50-ft. above water; construction probably start in fall; cost about \$11,000,000. 11-1-1927

Md., Secretary—War Dept., Washington, authorized plans of State Roads Comm., Baltimore, for bridge over Warwick River, Secretary, Dorchester County.

Missouri—State Highway Comm. receives bids for 32 bridges. See Roads, Streets, Paving.

Miss., Aberdeen—Monroe County Bd. of Supvrs. plans \$150,000 bridge. See Financial News.

Mo., Springfield—Springfield Water Co., H. B. McDaniel, Operating V.-P., will build rein. conc. bridge across McDaniel Lake.

N. C., Asheville—City plans expending \$125,000 toward McDowell St. viaduct, across Southern Ry. tracks, Baltimore. See Financial News.

N. C., Washington—War Dept., Washington, D. C., granted permit to Beaufort County to reconstruct bridge across Runyon Creek and for bridge tender's house across Pamlico River.

Oklahoma—State Highway Comm. plans 2 bridges: Woodward County—2-span, 200-ft. steel truss bridge on piers, over Moccasin Creek, near Tangier, 35,000; Dewey County—7-span, 140-ft. rein. conc. bridge, Highway 14, near Vici, \$31,000; C. R. Mandigo, Highway Engr.

Okla., Bearden—Okfuskee County Commrs., Okemah, plan 2-span, 350-ft. steel truss bridge over Canadian River, \$40,000; G. Catlett, Engr.

Okla., Beaver—Beaver County plans 2-span 130-ft. steel truss bridge on piers, 20 mi. from Beaver, \$30,000; J. W. Lewis, Engr.

Okla., Cache—State Highway Dept., Oklahoma City, plans 2-span, 60-ft. rein. conc. underpass, under Frisco R. R., Comanche County, \$30,000; C. R. Mandigo, Highway Engr.

Okla., Elmore City—Garvin County has preliminary plans for 1-span 60-ft. steel truss bridge on piers, over Wolff Creek, \$25,000; P. A. Little, Engr., Pauls Valley.

Okla., Tecumseh—Pottawatomie County has preliminary plans for 2-span 140-ft. steel truss bridge, conc. piers, over Little River, near Earlsboro, \$30,000; F. B. Brown, Engr., Shawnee.

Okla., Tulsa—City Comm. and Park Bd. received low bid from W. L. Moody, 240 W. 15th St., \$20,914, for 19 culverts, 2 small bridges and extensions.

Tenn., Knoxville—Dept. of Highways and Public Works, Nashville, receives bids Aug. 10 for steel bridge over Holston River, State Highway 9, between Knoxville and Straw Plains; Harry S. Berry, Commr.

Tex., San Antonio—City, Paul E. Steffler, Commr. of Streets, plans conc. bridge across San Pedro Creek, connecting Poplar and Castro St.

Tex., Waxahachie—Ellis County considering steel and conc. bridge, 30-ft. wide, over Katy and T. & B. V. railroads and Waxahachie Creek, from foot of Elm St. to Bulard Heights; \$130,000 available. 7-5

Tex., Waco—City, George D. Field, Sec., plans \$190,000 bridges and viaduct. See Financial News. 6-28

Va., Portsmouth—City, Frank C. Hanrahan, Mgr., considering Shea Terrace Bridge across Scott's Creek.

Contracts Awarded

Alabama—State Highway Comm. let contract for 21 bridges. See Roads, Streets, Paving.

Ark., Little Rock—Ozark Engineering Co., 15th and Indiana Sts., Joplin, Mo., has contract for Lincoln Ave. Viaduct of Missouri Pacific Lines.

Fla., Panama City—Savell Construction Co., Millville, has contract for Messelena Bayou Bridge at Tarpon dock.

Ga., Valdosta—State Highway Comm., East Point, let contract to Vincennes Bridge Co., Vincennes, Ind., for steel span of new bridge

across Alapaha River between Lowndes and Lanier Counties, on Oglethorpe Highway.

Md., Frederick—State Roads Comm., Baltimore, let contract to M. J. Grove Lime Co., Lime Kiln, \$12,450, for double-span steel and conc. girder bridge over Catocin River, Middletown to Myersville, Frederick County. 7-12

N. C., Blowing Rock—McClelland Co., 9 E. Third St., Charlotte, has contract, \$25,000, for 170 ft. long, 30 ft. high steel and conc. dam and highway bridge.

W. Va., Clarksburg—City, F. H. Hamrick, Clk., let contract to Concrete Steel Bridge Co., 600 E. Pike St., Clarksburg, \$43,485, for Point Comfort Bridge over Elk Creek, including retaining wall from east of viaduct, across point of Elk Creek, to end of present bridge across West Fork River, to Highland Park. 6-28

Canning and Packing Plants

Fla., Bay Springs—Robt. L. Radford, Postmaster, interested in having cotton compress established by outside capitalists in locality.

Fla., Melbourne—Melbourne Canning Factory, Inc., O. L. Bennett, Pres., remodeling building for canning plant; erect additional building; install modern machinery.

Fla., West Palm Beach—Dixie Dairies, Inc., E. D. Clawson, Pres., P. O. Box 252, interested in establishment of vegetable canneries in Everglades. See Want Section—Machinery and Supplies.

Ky., Lancaster—Lancaster Canning Co., capital \$14,000, incorporated; J. E. Robinson, V. A. Lear.

Clayworking Plants

Ga., Augusta—Babcock & Wilcox Co., 85 Liberty St., New York, reported, will organize Babcock & Wilcox Refractories Corp. to construct \$1,000,000 plant; has 16-acre tract; contract for grading let to H. C. Morrison & Co., 112 Eighth St.; machinery will be supplied by parent company; will obtain clay from Albion Kaolin Co. at Hepzibah; H. L. Tucker, representative, Walton Way, Augusta.

Tex., San Antonio—L. and B. Clay Co., incorporated; C. L. Witherspoon, 305 W. Kings Highway.

Coal Mines and Coke Ovens

Kentucky—Utilities Elkhorn Coal Co., capital \$1,700,000 formed by merger of coal reserves estimated at 50,000,000 tons in Knott, Pike and Floyd counties, in Elkhorn fields; properties are mines 1, 2, 3, 4 and 5 of Beaver Mining Co., Rogers Elkhorn mines and mine of Furnace Mining Co.; output about 1,000,000 tons for first year, will be handled by United Collieries, Inc., Ben. F. Tate, Pres., Cincinnati, Ohio.

W. Va., Charleston—Southern Coal Co., capital \$10,000, incorporated; R. N. Stephens, Jr., Kanawha Natl. Bk. Bldg.

Cotton Compresses and Gins

Okla., Kinta—Tidwell Gin Co. increased capital, \$24,000 to \$42,000.

S. C., Union—F. M. Adams & Sons, Inc., Adamsburg, leased warehouse and ginneries formerly operated by T. C. Duncan; will operate; also manufacture fertilizer.

Tenn., Medina—Tennessee Cotton Seed Oil Co. will erect cotton gin.

Tex., Big Spring—Farmers Gin Co., capital \$24,000, incorporated, R. D. Matthews, P. F. Cantrell.

Tex., Houston—Houston Compress Co., Long Reach, increased capital, \$4,200,000 to \$4,600,000.

Tex., Lockhart—Mohle Gin Co. erect brick and conc. compress.

Tex., Meadow—Texas Farm Bureau Cotton Assn. plans erecting 1 story, 50x170 ft., galv. and corrugated iron cotton gin.

Tex., Waxahachie—Valentine Gin Co. incorporated; W. H. Valentine, N. H. Gibson.

Tex., Wharton—Wharton County Cotton Farmers erecting \$15,000 gin under supervision of Major Hardin.

Cottonseed-Oil Mills

Tex., Abilene—Abilene Cotton Seed Oil Co. plans erect \$75,000 cotton seed oil mill.

Tex., Garland—Ferris Watson, Dallas, constructing cottonseed storage and curing house.

Tex., Slaton—Slaton Cotton Oil Co., Horace Hawkins, Mgr., construct \$40,000 steel warehouse, capacity 12,500 tons.

Drainage, Dredging and Irrigation

Alabama—U. S. Engr., Montgomery, receives bids Aug. 10 for dredging and building sand dykes in Chattahoochee River, Ga., and Alabama. See Want Section—Bids Asked.

Fla., Stuart—St. Lucie Inlet Comn. let contract at \$638,000 to Arundel Corp., Miami, Fla., and Baltimore, Md., for dredging St. Lucie River inlet to depth of 18 ft. and channel 200 ft. wide at bottom from deep water in ocean to line connecting land points at inlet and thence 150 ft. to terminal site.

Md., Chester—Col. C. R. Pettis, Dist. Engr., Baltimore, recommended to War Dept., Washington, that channel of Kent Island narrows be dredged to depth of 7 ft. and widened to 75 ft.; cost \$17,000.

Tex., Galveston—U. S. Engr. Office receives bids Aug. 27 for dredging channel from Galveston Harbor to Texas City. See Want Section—Bids Asked.

Tex., Galveston—U. S. Engr. let contract to Orleans Dredging Co., Inc., Maison Blanche Bldg., New Orleans, La., for dredging Galveston (channel to depth of 32 ft., with an over depth of 2 ft.; channel will have depth of 1125 ft. from inner bar near Port Point to 59th St.; approximately 4,000,000 yds. of material will be removed. 6-21

Tex., San Juan—Hidalgo County Water Improvement Dist. No. 2, contemplates issuing \$3,000,000 bonds for improving system by conc. lining, conc. piping and drainage, system comprises 70,000 acres.

Va., Richmond—James F. Ryland, Chmn. of Richmond Port Comn., announced that Col. H. C. Jewett, U. S. Dist. Engr., Norfolk, has ordered new survey of James River development project; will include straightening bends, deepening channel, construction of terminal and improving upper harbor; complete project will cost about \$10,000,000.

Electric Light and Power

Electric light and power work in connection with many LAND DEVELOPMENT operations involves the expenditure of large sums of money. See that classification for details.

Alabama—Mississippi Power Co., Gulfport, Miss., subsidiary of Alabama Power Co., Birmingham, granted a temporary permit by Federal Power Comn., for period of 3 years for gravity section conc. dam at Cook's Landing to form reservoir extending 63 miles up stream to base of Muscle Shoals dam and flooding existing Government dam and canal at Colbert Station near Riverport; initial h. p. 100,000, ultimate installation 260,000 h. p.; when put in operation will form important link in proposed short water route, Chicago to Mobile. 7-12

Ark., Wynne—City plans white way system.

Fla., Miami—Burdine, Inc., 22 E. Flagler St., plans \$80,000 electric power plant S. E. First St.

Fla., Miami Beach—Central Station Equipment Co., Seybold Bldg., Miami, has contract for white way system. 6-14

Fla., Palmetto—City plans \$35,000 bond issue for white way and water system.

Ga., Cordele—Crisp County Power Comn., J. J. Williams, Chmn., Cordele, received power license from Federal Power Comn. and let following contracts for \$1,250,000 Flint River power project: Emmett S. Killbrew, Ch. Engr., Albany, and J. E. Sirrine & Co., Const. Engrs., Greenville, S. C.; Construction, L. E. Mayers Co., 53 W. Jackson Blvd., Chicago, Ill., and S. J. Groves & Sons Co.,

Cordele, and 32 E. Pine St., Orlando, Fla., \$776,837; hydraulic machinery and equipment, Newport News Shipbuilding and Drydock Co., Newport News, Va., at \$99,300; electrical machinery and equipment, General Electric Co., Schenectady, N. Y., at \$102,500; construction work to begin at once, plant to be finished in 1 yr.; 18,000 hp. available. 7-19

Ky., Princeton—Herbert E. Head Electric Co. has contract to install lighting system.

La., Alexandria—Gulf States Utilities Co., 362 Liberty St., Beaumont, Tex., reported, construct 33,000-volt line, Opelousas to Ville Platte, Reddell, Pine Prairie, Point Blue and Chataignier; reinsulate line from Villa Platte to Bunkie, change from 13,200 to 33,000 volts; addition to Bunkie substation, to serve town and Bunkie ice and ice cream plants; build 33,000-volt line from Leecompte to Gifford-Hill plant at Forest Hill; Louisiana Ice and Utilities, Inc. (Utilities Management Co., Chicago, Ill., holding company), signed contract with Gulf States Utilities Co. for additional power.

La., Lafayette—Gulf States Utilities Co., Beaumont, Tex., subsidiary Stone & Webster, Inc., Boston, Mass., negotiating for city light and water plant, subject to vote July 30; plans installing \$75,000 filtration plant. 6-28

Missouri—Gasconade River Power Co., Pioneer Trust Bldg., 1016 Baltimore Ave., Kansas City, granted permit for 2½ years by Federal Power Comn., for power project on Gasconade River, near Rich Fountain; capacity 25,000 h. p. 11-17-27

Missouri—Missouri Power and Light Co., Merchants Bank Bldg., Chicago, and Bd. of Trade Bldg., Kansas City, controlled by North American Light and Power Co., reported, construct power dam on Sac River in St. Clair County.

Mo., Deering—Arkansas-Missouri Power Co., Blytheville, Ark., and St. Louis, Mo., reported, plans extending line here from highline along Highway 84.

Mo., Joplin—Henry L. Doherty & Co., 60 Wall St., New York, advises Empire District Electric Co., 414 Joplin St., has license pending before Federal Power Comn., for development hydro-electric project at Table Rock; plans include constructing dam 195 ft. high with ultimate installation of 150,000 kw.; project still in preliminary stages. 5-24

Okla., El Reno—City closed contract with Oklahoma Gas and Electric Co., Oklahoma City, for white way in business district.

S. C., Columbia—General Gas & Electric Corp., under management of W. S. Barstow & Co., Inc., 50 Pine St., New York, announces that additional 30,000 kw. unit will be erected at Parr Shoals steam station of Broad River Power Co., a subsidiary; upon completion of this unit plant will have generating capacity of 72,500 kw.; ground will be broken soon and orders placed for the new unit; probably be in operation latter part of 1929; these facilities will be tied in with those under construction by Lexington Water Power Co., another subsidiary, which will have initial capacity of 200,000 hp. and an ultimate capacity of 275,000 hp.

Tenn., Jellico—Tennessee General Utilities Co., chartered under laws of Delaware, applied to Tennessee Railroad and Public Utilities Comn., Nashville, for authority to purchase electric light plant and distribution system, and ice plant, and to sell 161,000 6% bonds and 1000 shares of common stock without par value.

Texas—Texas-Louisiana Power Co., Fort Worth Club Bldg., Fort Worth, plans extending power lines between Dickinson and League City; erect sub-station at League City.

Texas—Central Power and Light Co., Frost Natl. Bank Bldg., San Antonio, let contract to L. E. Myers Co., Allen Bldg., Dallas, for power dam on Devils River in Val Verde County. 7-5

Tex., Fort Worth—Eugene Ashe Electric Co., 505 Jones St., has contract for 982 luminaires and refractories for W. Seventh St. lighting system, Van Zandt viaduct to Camp Bowie Blvd.; Graybar Electric Co., for poles.

Tex., San Benito—Central Power and Light Co., Frost Natl. Bank Bldg., San Antonio, plan erecting fireproof garage on N. Bowie St.; brick and steel, asbestos roof, capacity 12 cars; water tank and tower on Heywood St., capacity 150,000 gals.; cost \$16,000; construction under direction of Jack Walters, Company's engineer.

W. Va., New Martinsville—City voted \$124,000 bonds; install electric system; \$83,000 generating plant and \$41,000 distributing plant. 6-7

Fertilizer Plants

Fla., Lake Wales—Agricultural Humus Corp., Charles F. Burrows, Pres., plans doubling capacity of plant. 3-1

Flour, Feed and Meal Mills

La., Wilson—R. E. Thompson erecting mixed feed plant; will install automatic scales, etc. See Want Section—Machinery and Supplies.

Okla., Oklahoma City—Superior Feed Mills Co., B. D. Eddie, Gen. Mgr., 2126 W. Ash St., construct \$100,000 feed mill between Washington and Noble Aves.; rein. conc.; increase present output from 140 tons feed daily to 350 tons; provide elevator storage of 100,000 bu.

Okla., Yukon—Yukon Feed and Grain Co., J. F. Kroutil, Pres., installing 2 Diesel oil-burning engines to replace gas-burning units, will pave streets surrounding mill, sink deep well for water supply, etc.

Foundry and Machine Plants

Fla., Jacksonville—See Motor Cars, Garages, Filling Stations.

Ky., Louisville—Henry Vogt Machine Co., Tenth and Ormsby Sts., erect \$350,000 warehouse, Tenth St. and Ormsby Ave.; D. X. Murphy & Bros., Archts., Louisville Tr. Bldg.; receiving bids.

Mo., St. Louis—Anheuser-Busch, Inc., have retained Ophuls & Hill, Inc., Engrs., 112-14 W. 42d St., New York, as consulting engineers to design and construct modern, high pressure, high temperature, powdered coal fired boiler plant and electric generating units; plant will consist of three 1100 h. p. 450 lb. boilers, with super-heaters; use 2 turbines approximately 5000 kw. to be arranged to bleed at 140 lbs. into 35,000 lb. accumulator; part of steam to be used to operate generating units now designed for 140 lbs. of steam and balance for process work (cooking); average steam consumption to be 170,000 lbs. per hour, with maximum of 260,000 lbs.; plant to cost approximately \$1,000,000 and in operation early in 1929.

N. C., Raleigh—Hiner Supply and Mfg. Co., 800 N. Salisbury St., rebuild burned machine shop and foundry.

N. C., Statesville—Dempsey-York Co., organized, D. H. York, Statesville; A. P. Dempsey, Baltimore, 114 S. Catherine St., will manufacture fender rollers and sheet metal machines.

Tex., Dallas—Crane Co., 836 S. Michigan Ave., Chicago, plans erecting branch factory: 1 story and basement; cost \$70,000.

Tex., Galveston—Kane Boiler, Inc., capital \$200,000, chartered; Joseph J. Kane, 2715 C St.

Tex., Houston—Neal Lucy Co., 60 N. Hamilton St., acquired 3¼-acre site; will erect 2 foundry and machine shop buildings for manufacture oil well supplies; \$30,000.

Tex., Lufkin—Lufkin Foundry and Machine Co. increased capital, \$400,000 to \$600,000.

Gas and Oil Enterprises

Ala., Birmingham—Southern Natural Gas Corp., First Natl. Bank Bldg., Julius N. Nalman, Engr. in Charge, advises in regard to present status of plans for construction of gas lines by company that industrial gas sales campaign is now on and project will be definitely decided upon only after certain minimum load has been secured. 6-14

Ark., Blytheville—J. H. Hawthorne, Jr., Jonesboro, plans 20 mi. mains for artificial gas plant. 6-7

Ga., Eastman—City plans developing 20-acre park; install driveway, swimming pool and dancing pavilion.

Ky., Hopkinsville—Hopkinsville Gas & Oil Corp., incorporated; A. D. Noe, Sr., T. E. Overshiner.

La., Alexandria—Hope Oil and Gas Co., incorporated; Sam Fried, J. C. Ray.

La., Lake Charles—Y. M. B. League, Chas. K. Bunker, Pres., interested in natural gas system.

La., Monroe—Austin-Jordan Oil and Gas Co., Inc., capital \$50,000, incorporated; G. E. Jordan, 114 De Siard St.

La., New Orleans—West Pearl Oil Corp., capital \$36,000, incorporated John J. Droscoil, Slidell; M. D. Kostmayer, 611 United Fruit Co. Bldg.

Miss., Starkville—Southern Natural Gas Corp., Birmingham, granted franchise; plan 24-in. trunk line, Monroe-Richland natural gas fields of Louisiana to Macon, Ga., via Yazoo City, Vicksburg, Jackson, Meridian,

Macon, West Point, Columbus and Starkville to Tuscaloosa, Birmingham and Montgomery, Ala.

Mo., Kansas City—Cities Service Gas Co., 60 Wall St., New York, announced plans for constructing additional 16-in. natural gas pipe line from Ottawa, Kan. to Kansas City, distance of 38 miles, will connect with Glaven Station southwest of Kansas City and from there will lay 5 mile, 20-in. line to regulating station.

N. C., Lexington—Atlantic Gas Co., N. H. Gellert, V. P. and Gen. Mgr., Lewis Bldg., Philadelphia, Pa., has site for gas plant; let contract to Southern Railway for siding and trestle; to Gas Machinery Co., 1900 Euclid Ave., Cleveland, O., for gas machinery; all construction work by Atlantic Construction and Engineering Co., construction division of Atlantic Gas Co. 7-12

Oklahoma—Sinclair Pipe Line Co., Sinclair Bldg., Tulsa, owned by Standard Oil Co. of Indiana and Sinclair Consolidated Oil Co., reported, plans constructing \$15,000,000 pipe line from Cushing, Okla., to Chicago district.

Okla., Allen—Gulf States Terminal and Transport Co., 606 World Bldg., Tulsa, closed contract with Graver Corp., East Chicago, Ind., for complete refining unit to consist of one Jenkins cracking unit, tanks, etc.; construction to begin soon.

Okla., Ardmore—Boles Oil Co., capital \$10,000, incorporated; Z. L. Boles, T. C. Johnson.

Okla., Atoka—Southern Utilities Co., Durant, granted natural gas franchise.

Okla., Boise City—City plans natural gas system; A. Anderson, Clk.

Okla., Maud—T. B. Slick Oil Co., Braniff Bldg., Oklahoma City, plans erecting \$40,000 natural gas plant.

Okla., Oklahoma City—Triurna Petroleum Corp., capital \$50,000, incorporated; J. H. Melvain, G. R. Potter.

Okla., Texola—Upham Gas Co., Mt. Vernon, Ohio, has natural gas franchise.

Okla., Verden—City has preliminary plans for natural gas distribution system; J. C. M. Liken, Engr., Continental Bldg., Oklahoma City.

Okla., Weatherford—Central West Gas Co., W. J. Hollerman, Sec., Merchants Natl. Bank Bldg., Oklahoma City, granted natural gas franchise.

Tenn., Dyersburg—Pan-American Oil Co., subsidiary of Producers and Refiners Corp., California Bldg., Denver, Colo., construct distributing plant on Hickman division of Central R. R., erect tanks; plan erecting plants at Covington and Martin.

Texas—Texas Corp., 17 Battery Place, New York, has let contract to A. O. Smith Corp., Milwaukee, Ws., for 25,000 tons 8-in. pipe for line Kingsmill to Vernon and Wichita Falls, connecting with North and Central Texas lines, together with additional 8-in. line from Dallas to Corsicana and Corsicana to San Augustine to connect with Louisiana line, making total of 333 miles and giving additional through capacity to Port Arthur 10,000 bbls. daily, later to be increased with additional stations when added capacity required; recently purchased in West Texas, Crane, Upton and Winkler Counties of 4,265,000 bbls. of steel tankage and 3,000,000 bbls. crude oil, with loading rack, etc., and developed and undeveloped leases; construct 550 miles of 12-in. pipe line from West Texas fields in Pecos, Crane, Upton and Winkler Counties to Houston and 10-in. line from Houston to Port Arthur, capacity 60,000 bbls. daily, contract for 65,000 tons pipe let to Youngstown Sheet and Tube Co., Youngstown, O. 7-12

Tex., Amarillo—Post Dated Oil Co. increased capital, \$100,000 to \$150,000.

Tex., Amarillo—A. M. & F. Oil Co., capital \$20,000, incorporated; A. A. Michaels, H. G. Forrester.

Tex., Beaumont—County Commrs. Court granted permission to Atlantic Pipe Line Co., 260 S. Broad St., Philadelphia, Pa., to construct pipe line on road between Viterbo and Beaumont-Port Arthur highway as portion of line from Midland to Atreco. 7-12

Tex., Electra—Texas Pipe Line Co., subsidiary of Texas Corp., 17 Battery Place, New York, reported, construct 154 mile of 8-in. welded pipe line from Alma Gray lease in Gray County to Electra; erect \$30,000 pumping station at Panhandle terminus; total expenditure, \$6,000,000.

Tex., Corpus Christi—H. Carter, 718 Elizabeth St., and E. E. Ludwig, 1324 Fourth St., interested in creation of water and gas supply district south of Del Mar, supplying Del Mar and Aberdeen with water and gas.

Tex., Fort Worth—Keystone Royalties Oil Co., capital \$150,000, incorporated; J. R. Penn, 4928 Crestline Road.

Tex., Fort Worth—Winkler Yates Oil Royalties Co. incorporated; Leo F. Reardon, 1209 Eighth Ave.

Tex., Harlingen—Rio Grande Valley Gas Co., Politis Bldg., granted 20 yr. gas franchise. 5-31

Tex., Houston—Houston and West Texas Oil Co. incorporated; H. B. Masterson, L. M. Josey.

Tex., Longview—Moody-Seagraves Co., Esperson Bldg., Houston, reported, acquired gas properties here of Southern Cities Distributing Co.

Tex., Santa Anna—Santa Anna Gas and Oil Co., capital \$30,000, incorporated; M. M. Lenoir, U. S. Algee.

Tex., San Antonio—T. P. Lee, Second Nat'l Bk. Bldg., Houston, acquired 15,000 acres Zavalla County ranch land.

Tex., Woodson—Woodson Oil Co., capital \$30,000, incorporated; R. D. Clancy, George D. Dickie.

W. Va., Mannington—Thomas Drilling Co., capital \$25,000, incorporated; James B. and W. Ray Thomas.

Ice and Cold-Storage Plants

Ala., Birmingham—Central Ice Co., 2218 Ave. A, acquired Diamond Ice Co.

Ala., Mobile—Fulton Ice Co. will erect ice plant on Fulton Road.

Ala., Talladega—C. Louis Crossfield will erect \$10,000 ice plant.

Ala., Tuscaloosa—Tuscaloosa Ice and Cold Storage Co. expending \$50,000 for improvements to plant.

Ala., Tuscaloosa—R. E. Heady, Kansas City, Mo., representing northern firm, has acquired site and will erect \$75,000 ice plant.

Ark., Earl—Arkansas Power and Light Co., Little Rock, acquired Parkin Ice Co.'s plant.

Georgia—Midsouth Utilities Co., subsidiary of Morgan interests, S. R. Morgan, Pres., Atlanta, has acquired Columbus, Ga., Ice and Coal Co. and Vidalia, Ga., Ice and Coal Co.

Miss., Biloxi—Aticich Packing Co. erect 1-s.ory ice manufacturing plant, 45x100 ft.; cost \$70,000.

Miss., Goodman—Goodman Ice Co. erecting 6-ton ice plant.

Mo., Joplin—Walbert Ice Co. has acquired Thomas Fruit Co.'s ice plant.

Mo., Memphis—O. L. Wright, Shelbyna, acquired Bourne ice plant.

Tenn., Lebanon—City Delivery Co. acquired Interstate Ice Co. and Perfection Ice Co.

Tenn., Memphis—Memphis Cold Storage Co. expend \$15,000 for remodeling cold storage plant, 99 S. Front St.; E. L. Harrison, Archt., E. J. Pearson, Contr., both Fidelity Bank Bldg.

Va., Elkton—R. R. King, Charlottesville, acquired Elkton Lithia ice plant.

W. Va., Moundsville—Moundsville Crystal Ice Co. acquired control of Glendale Ice Co.

Land Development

Fla., Jacksonville—Florida Gulf Corp., incorporated; T. J. Taylor, Jr., C. J. Robertson.

Fla., Miami—A. G. Sibley Co., incorporated; M. E. Sibley, 1612 N. W. Tenth St.

Fla., Tampa—La Belle Holding Co., incorporated; William H. Jackson, 927 S. Oregon St.

Fla., Tampa—S. R. Norman, 2519 Connecticut Ave., N. W., Washington, D. C., and George T. Penny, Elwood Hotel, High Point, N. C., acquired 4500 acres farm lands in Odessa and Citrus Lake regions.

Ga., Augusta—Southern Realty Co., capital \$50,000, incorporated; O. M. Blount, 1140 Ninth St.

Ga., Brunswick—Coastal Georgia Land Co. incorporated; W. H. Parker, M. W. Fleming.

La., Baton Rouge—Sugar Belt Land Co., capital \$25,000, incorporated; F. W. White, 641 Bungalow Lane.

La., Lake Charles—Sid W. Sweeney, Lake Arthur, acquired 4000 acres marsh land in Vermillion and Cameron parishes.

La., Monroe—Consolidated Farms, Inc., capital \$45,000, incorporated; Abe Arent, 301 Hudson Lane.

La., Natchitoches—Governor signed bill creating Northwest Louisiana Game and Fish Preserve and appropriated \$100,000 to build

dams and spillways and to equip preserve; under supervision and control of Louisiana Conservation Comm.

La., New Orleans—Missouri Realty Co., Inc., chartered; Lee R. McMillan, 6010 Perrier St.

La., New Orleans—Madison Realty Co., Inc., capital \$75,000, chartered; Jas. S. Webb, Canal Bk. Bldg.

La., New Orleans—Octavia Realty Co., Inc., chartered; Jas. Rodgers, 5507 Laurel St.

Miss., Pascagoula—City, J. R. Watts, Mayor, development park and playground.

Mo., Charleston—Marshall Land and Investment Co. incorporated; A. H. and L. C. Marshall.

Mo., St. Louis—Alja Realty Co., capital \$20,000, incorporated; Terry W. Allen, 320 N. Fourth St., St. Louis; J. Ruth James, Clayton.

Mo., St. Louis—Jay B. Close Realty Co., 3 S. Meramec St., develop subdivision at Crystal Springs Lake.

N. C., Charlotte—Park and Recreation Bd., Dr. John Hill Tucker, Chrm., plans completing golf course, construct swimming pool, develop athletic field and park.

S. C., Belton—Chamber of Commerce develop athletic park, grand stand, seating capacity 3600.

S. C., Charleston—J. F. C. Realty Co., capital \$25,000, incorporated; James F. Condon, 431 King St.

Tenn., Chattanooga—Maywood Land Co., capital \$100,000, incorporated; Hunter Furches, W. E. Wilkerson, Hamilton Natl. Bk. Bldg.; develop 400 acres for subdivision; install water, sewers, electricity.

Tex., Denison—Lawn Farm Co. incorporated; A. F. Platter, W. R. Dunn.

Tex., Donna—J. A. Almirall, 53 Park Pl., New York, acquired 320 acres; develop for citrus orchard; install cement pipe irrigation system, graveled streets; erect clubhouse; Valley Orchards Co., Inc., Donna and New York, in charge of development.

Tex., Donna—Southern Land Development Co., Kansas City, Mo., develop acreage on old Military Highway for citrus; S. C. Clark, Pur. Agt., Chicago, Ill.

Tex., Houston—Howard G. Fields, 6400 Harrisburg Road, develop 6 acre tract on West Dallas and West McKinney Aves.

Tex., Houston—City, C. L. Brock, Supt. Parks, having revised plans prepared by Hare & Hare, Huntington Bldg., for Cleveland Park improvements; preliminary work of grading will begin soon; will let contract for roadway along bayou; install wading pool, baseball diamond, tennis and basketball courts, theater and bridge path; construct and equip playground.

Tex., Houston—Lone Star Realty Co., incorporated; C. D. Green, 3409 La Branch St.

Tex., League City—Galveston County Commrs., plan expending \$10,000 to convert poor farm into park; acquire 100 acres on Galveston Island, install golf course, etc.

Tex., San Antonio—Springdale Tourist Camp, C. I. Carroll, Mgr., F. E. Routledge, Owner, 800 Porter St., develop 20 acres for tourist camp, home sites and amusement resort; Tom Mills Landscape Archt., 1229 Mason St. See Want Section—Machinery and Supplies.

Va., Richmond—Original Amphill Development Corp., capital \$35,000 incorporated; Stafford W. Dabney, 1506 Laburnum Ave.

Va., Roanoke—Del-Pecos Land Corp., capital \$100,000, incorporated; C. W. Freeman, Bramwell, W. Va.; C. D. Harnan, Bluefield, W. Va.

Lumber Enterprises

Fla., Jacksonville—Wells Hardwood Lumber Co., Troy, Ala., leased 12 acres at municipal docks for export branch.

Fla., Leesburg—Hester & Stinson Lumber Co., capital \$75,000, incorporated; T. B. Stinson, F. C. Hester.

Fla., Winter Park—Fries Lumber Co., incorporated; J. F. Fries, P. M. A. Fries.

La., New Orleans—Edw. B. Mulpas, 2226 Painter St., Gen. Mgr. of Southern district of Southern McBride Lumber Co., of Pureia, Ill., announced will start constructing sawmill remilling plant, Carrollton Ave.

N. C., Asheville—Southern States Lumber Co., capital \$100,000, incorporated; E. William James.

Okla., Hominy—Fullerton Stewart Lumber Co. erect \$40,000 lumber yard.

Tenn., Memphis—J. P. Jordan Lumber Co., 100 S. Second St., erect mill and office building; hollow tile, galv. iron, office 40x30 ft.; building material building, 65x75 ft.; shop 100x50 ft. comp. roof conc. and wood floors; cost \$12,500 owner builds.

Tex., Nacogdoches—A. J. Cariker, Cushing, erect \$10,000 planing mill.

Mining

La., Pollock—Grant Gravel Co. incorporated; John A. Cook, Pollock; H. M. Price, Tullos.

Oklahoma—Consolidated Lead & Zinc Co., Joplin, Mo., subsidiary of Eagle Picher Lead Co., has acquired 3 mines operated and owned by Domado Lead & Zinc Co. near Picher; includes Mary M. Float plant, properties located in Oklahoma field, where other properties of Consolidated are located; Domado lease, south of Cardin, adjoining Baby Jim, owned by Consolidated, can ultimately be combined; Kitty mines, in West Cardin district.

Tenn., Knoxville—Smoky Mountain Sand Co., capital \$50,000, incorporated; Ben Catlett, J. L. Greer, 132 Spence Pl.

Va., Richmond—Norfolk Sand & Gravel Corp., 434 W. York St., Norfolk, reported, construct dock about 420 ft. long, and install loading and unloading facilities, storage bins, etc.

Miscellaneous Construction

Fla., Hollywood—City plans \$50,000 bond issue for fishing pier and \$15,000 bond issue for yacht docking space. See Financial News.

Miss., Greenwood—Bd. of Commrs. of Big Sand Drainage Dist. receives bids Aug. 10 for constructing 100,000 cu. yds. of levee; plans from office of Arthur Bruce.

Tenn., Memphis—War Dept. Office, Mississippi River Comm., First and Second Dists., 1006 McCall Bldg., authorized award of contracts to following low bidders for levee construction; for which bids were opened July 6: J. L. Ward Construction Co., 11100 Wade Park Ave., Cleveland, Ohio, \$349,670 for 730,000 cu. yds.; Fred C. Morgan, Moratt Hotel, Indianapolis, Ind., \$151,260 for 612,000 cu. yds.; C. I. Jones, 4961 Laclede Ave., St. Louis, Mo., \$98,625 for 213,000 cu. yds.; A. A. Davis, 300 City Bk. Bldg., Kansas City, Mo., \$136,500 for 525,000 cu. yds.; Wm. W. Roth, Hickman, Ky., \$47,250 for 225,000 cu. yds.; Chas. C. Anderholt, Memphis, Tenn., \$91,200 for 190,000 cu. yds.; C. C. Weathers, Jr., Greenville, Miss., \$58,043 for 161,000 cu. yds.; Canal Construction Co., McCall Bldg., Memphis, Tenn., \$308,027 for 1,265,000 cu. yds.; Henry J. Kaiser, 1522 Latham Sq. Bldg., Oakland, Cal., \$60,840 for 195,000 cu. yds.

Tex., Waco—City voted \$30,000 bonds for incinerator.

Va., Richmond—See Mining.

Miscellaneous Enterprises

Ala., Mobile—International Paper Co. of Alabama organized as subsidiary of International Paper Co., 100 E. 42d St., New York, R. J. Cullen, V.-Pres., Bastrop, La.; company announced construction work has started on \$5,000,000 Kraft pulp and paper mill on Mobile Bay at State Dock Commission's terminal railroad; have daily capacity of 170 tons of kraft paper; employ 500 persons and have \$1,000,000 annual payroll. 7-19

Ark., Arkadelphia—Chamber of Commerce interested in establishing cheese plant.

D. C., Washington—National Capital Insurance Co. of District of Columbia, 336 Pennsylvania Ave., S. E., increased capital, \$100,000 to \$200,000.

D. C., Washington—Topmans' Building Corp. erect \$50,000 factory, 903 Third St.; 2 stories.

D. C., Washington—Dist. Commrs. approved installation of 14 traffic light beacons on pillars of 7 viaducts.

Fla., Miami Beach—Burbridge Realty Co. erecting \$10,000 building to be occupied by Goldstrom Baking Co.; 50x130 ft., 1½ stories high.

Fla., Tallahassee—News Printing Co., incorporated; C. W. Hunter, Mildred Hunter.

Fla., West Palm Beach—Walter H. Barber, Watertown, N. Y., interested in establishing plant for manufacturing life preservers.

Ga., Atlanta—Pierson-Larkin Refrigerating Corp., capital \$100,000, incorporated; Virgil P. Warren, 1065 Ponce de Leon Ave.; Lester U. Larkin; will manufacture electric refrigerating coil patented by Lester U. Larkin; unit made of aluminum and will maintain humidity test in refrigerator of 92 to 96%; initial output 100 units daily.

Ga., Moultrie—Swift & Co., U. S. Yards, Chicago, Ill., let contract to Norwood Griffin Co., Bona Allen Bldg., Atlanta, for constructing addition to packing plant; 1 story, rein. conc., brick, built-up roof, conc. floors.

Ky., Louisville—Clothing—Louis Appel Co., 407 S. Fourth St., increased capital, \$70,000 to \$250,000.

Ky., Louisville—Olive-Meunch Electric Co., capital \$20,000, incorporated; Charles A. Heuser, 1523 Rosewood St.

Ky., Louisville—Kentucky Macaroni Co. erect \$100,000 plant, Floyd and Byrne Sts.

Ky., Louisville—Bellemont Cap Mfg. Co., capital \$10,000, incorporated; Harry C. Hibbs, Frederick Apt.

Ky., Louisville—U. C. Glass Corp. Co. increased capital \$30,000 to \$45,000.

Ky., Maysville—Carnation Milk Products Co., Oconomowoc, Wis., plans establishing condenser here.

Ky., Murray—Prentiss and Clifton Parker, Detroit, Mich., leased Shroat building, N. Fifth St., will remodel for bakery.

La., Breaux Bridge—Teche Irrigation Co., capital \$15,000, incorporated; A. B. Whitlow, Michel Simon.

La., Ferriday—A. M. Thornton, Pres. of Watson Aven, Inc., plans establishing creamery.

La., Kaplan—Agnes Rice Mill Co., Inc., capital \$150,000, chartered; Jules S. Motty, J. T. Abshire.

La., Lafayette—Lafayette Paint and Glass Co., Inc., chartered; Peter Casse, 4503 Prytanla St., New Orleans.

La., Lockport—Canal Bank and Trust Co., New Orleans, announced sale of Valentine Sugar Co., Inc., above 5 miles below Lockport to Eastern interests; includes 700 acres of cultivable land, some wood lands, and factory of 1200 tons capacity.

La., Natchitoches—Standard Bakery, Inc., chartered; H. A. Cook, Sadie Cook.

La., Natchitoches—Natchitoches Coffee Co. incorporated; Samuel Levey, Geo. C. Sutton.

La., New Orleans—Bay Chemical Co., incorporated; E. V. Benjamin, 1050 Constance St.

La., New Orleans—James C. Senter, Inc., Contr. and Engr., incorporated; James C. Senter and Fort Pipes, 1450 State St.

La., New Orleans—Contractors—J. V. & R. T. Burkes, Inc., New Orleans Bk. Bldg., capital \$50,000, incorporated; John V. Burkes, Wallace C. Walker.

Md., Baltimore—Silversmith—Stieff Co., 17 N. Liberty St., erect addition to plant, 705-15 Pacific Ave.; steel, brick; L. L. Chambers, Inc., Contr., 36th St. and Roland Ave.

Md., Baltimore—C. Wilbur Miller, Pres. of Davison Chemical Co., Garrett Bldg., announced that directors of company have authorized sale of 80,000 shares of Silica Gel Corporation stock to banking interests at \$25 per share.

Mo., Hollister—Queen City Dairy Co., 504 S. Roberson St., Springfield, will establish creamery.

Mo., Joplin—M & O Cigar Co., Denver, Colo., plans moving main plant to Joplin.

Mo., Kansas City—Clean Sweep Chemical Co. incorporated; F. L. Rigney, Orie V. Melching, 2740 Monroe St.

Mo., Kansas City—Kansas City Moulding Co. incorporated; William Huttig, 3558 Penn St.

Mo., Kansas City—Corn Products Refining Co., 17 Battery Place, New York, plans erecting 1-story addition to plant; cost about \$140,000.

Mo., Springfield—Events Publishing Co., incorporated; George O'Ray, W. Scott Luce.

Mo., St. Louis—Modern Construction Co., incorporated; Harold E. Wilson, 2612 S. Grand St.

Mo., St. Louis—Shelly Printing Co., incorporated; L. Will Shelly, 452 West Point Court.

Mo., St. Louis—Electrical, Mechanical—Falcon Mfg. Co., incorporated; Julius V. Lehmann, William H. Schaumberg, Central Natl. Bank Bldg.

Mo., St. Louis—Missouri Rolling Mill Corp., 6800 Manchester St., has contract for 100 tons of rein. steel for factory for Walte Paper Co., Newstead and Hunt Aves.

Mo., St. Louis—Alles Furnace Co., 115 S. 14th St., increased capital, \$10,000 to \$30,000.

Mo., St. Louis—St. Louis Scale Corp., incorporated; Frank R. Moser, Jr., 16 Circle Drive.

Mo., St. Louis—Mound City Art Glass Co., incorporated; Fred H. Barbesche, 2574 Palm St.

N. C., Asheville—Jackson Building Corp., capital \$200,000, incorporated; Francis J. Hezrael, Jess C. Smoot.

N. C., Biltmore—General Building Products Co., capital \$100,000, incorporated; Ralph W. Howell, Hayden Grindstaff.

N. C., Greensboro—E. S. Hughes plans organizing company to be known as Luna Park, Inc.; establish amusement park on Highway No. 10, between Greensboro and High Point; construct dance hall, 125x125 ft.

N. C., Raleigh—Edenton News Publishing Co. incorporated; J. W. Bunn, Lawyers Bldg.

Okl., Oklahoma City—American Construction Corp., incorporated; J. P. Harding, 106 E. 44th St.

Okl., Tryon—Tryon Co-Operative Creamery Co., incorporated; R. Hemphill, William Sporn.

S. C., Greenville—Dixie Dairy incorporated; C. C. Burgess, Summitt Dr.

S. C., Martins Point—Davis Motor Truck Transfer Co., incorporated; Charles F. Davis, Ralph Davis.

Tenn., Chattanooga—Electric Motor Shop, incorporated; Wm. E. May, 1103 Carter St.

Tenn., Chattanooga—Joe Anderson, 803 Market St., Ernest Holmes, 700 E. Main St., and others, plan organizing company to be known as Chattanooga Bottling Co. of America.

Tenn., Knoxville—City let contract at \$22,000 to Terrell Electric, 715 Cherry St., Chattanooga, for electric traffic signal system.

Tenn., McKenzie—McKenzie Milk Products Co., capital \$925,000, incorporated; Guy Alexander, J. L. Thomason.

Tenn., Maryville—Blount Sanitary Laundry, capital \$16,000, incorporated; W. B. Riley, V. J. Hulquist.

Tenn., Memphis—Cascade Rug Co., incorporated; Edgar A. Ryerson, Bank of Commerce Bldg.

Tenn., Memphis—Shelby County Milk Producers Assn., J. H. Tull, 303 S. Summerville St., erect \$25,000 dairy distribution plant, Bellevue and Severson Sts.; br'ck, 2 stories and basement, 60x130 ft.; F. Hansen, Archt., Shrine Bldg.

Tex., Amarillo—Nehi Bottling Co., capital \$10,000, incorporated; Judson Corn, W. E. Corn.

Tex., Austin—Atlantic Steel Co., incorporated; Q. C. Taylor, Austin Natl. Bk. Bldg.

Tex., Beaumont—Munro Dry Cleaning Co., Inc., Broadway and Mariposa St., erecting \$12,000 plant; 55x80 ft.; Livesay & Wiedeman, Archts., San Jacinto Bldg.; H. J. Davis, 2425 North St.; American Laundry Machine Co. will furnish complete dry cleaning equipment. 7-26

Tex., Dallas—Mrs. Baird's Bread Co., capital \$175,000, incorporated; Mrs. N. Baird, W. H. Baird.

Tex., Dallas—Southwest Golf Machine Co., incorporated; Louis Tobian, Allen Bldg.

Tex., Dallas—Southwestern Sewer Co., incorporated; M. R. Diggs, 702 N. Glasgow St.

Tex., Houston—Elliott Core Drilling Co., 3210 Harrisburg St., acquired site on Canal St.; plans constructing plant.

Tex., Houston—W. D. Hayden interests erect \$350,000 oyster shell lime plant; lime plant will be of rotary kiln type with capacity of 60 to 75 tons per day; include oyster shell crushing plant for poultry and oyster shell meal for liming of soils; 1 story, steel and asbestos construction; Arnold & Weigel, Archts.-Engrs., Woodville, Ohio.

Tex., Longview—Big Boy Bottling Co., incorporated; W. Carter, D. R. Richardson.

Tex., San Angelo—Modern Plumbing and Heating Co., capital \$12,000, incorporated; J. A. McCrary, R. E. Peacock.

Tex., San Antonio—General Asphalt Corp., capital \$100,000, incorporated; H. J. Wilson, 227 Rosemary St.

Tex., San Antonio—Navarro Building Co., Inc., chartered; Thomas Franklin, Gilbert M. Denman.

Tex., San Antonio—Laney Creamery Co., 104 E. Josephine St., erect \$35,000 creamery; 1 story, 64x107 ft., rein. conc., tile and cement floors, comp. roof; Herff & Jones, Archts., S. A. Loan & Trust Bldg.; M. L. Diver, Calcasieu Bldg.; Ed. W. Oeffinger, Contr., Ave. A.

Tex., Troup—Kraft-Phenix Cheese Co., 402 Rush St., Chicago, Ill., interested in establishing cheese plant.

Tex., Waco—Waco Baking Co., incorporated; E. C. Chinn, J. H. Hill.

Tex., Wichita Falls—Central Iron and Metal Corp., incorporated; Harry Freundlich, 1679 Speedway.

Va., Lynchburg—Whitmore Electric Co., capital \$50,000, incorporated; Clifton W. Whitmore.

Va., Radford—Radford Journal and Radford News have merged to be known as Radford News Journal; Paul H. Appleby, owner.

Va., Roanoke—Stauffer Chemical Co., Inc., Grand Central Terminal, New York, soon begin preliminary work on plant; Tilt-Hargen Co., Engr.-Contr., 90-92 W. Broadway, New York, have contract for designing and construction. 4-12

W. Va., Mabscoot—Southern Electrical Machinery Co., incorporated; John G. Grant, Jr.; Floyd M. Sayre, of Beckley.

W. Va., Martinsburg—Premier Orchard & Storage Co., capital \$25,000, incorporated; W. C. Kilmer, Harry W. Byrer.

W. Va., Princeton—Aborn Shirt Mfg. Co., Bluefield, plans establishing shirt factory here.

Motor Bus Lines and Terminals

N. C., Gastonia—Inter-Carolina Motor Bus Co., W. Airline, erect \$18,000 building to house bus terminal and offices, together with lunch rooms and barber shop; C. W. Spencer, Contr., Fairmont Pk.

Texas—State Railroad Comm., Austin, granted R. C. Bowen, 4816 Pershing St., and R. K. Hanger, B. Burnett Bldg., of Fort Worth, permission to acquire Young's Bus Line, Inc., operating between Houston and Orange, Beaumont and Jasper.

Tex., San Angelo—San Angelo Bus Co. increased capital, \$10,000 to \$30,000.

Virginia—State Corp. Comm., Richmond, granted Hampton Roads Transportation Co., 12 Nebraska St., permission to operate motor freight line between Norfolk and Newport News, by way of Portsmouth, Churchland and James River Bridge; also granted permit to Chesapeake Transfer and Storage Co. to operate between Newport News and Old Point.

Va., Richmond—State Corp. Comm. has authorized Peninsula Transit Co. to operate passenger bus service between Newport News and Norfolk by way of new bridges over James, Chuckatuck and Nansemond rivers; also authorized James River Bus Line to operate bus line service between Hopewell and Norfolk to connect with Richmond bus at Hopewell.

Motor Cars, Garages, Filling Stations

Ala., Birmingham—N. L. Miller, American Traders Natl. Bk. Bldg., has low bid at \$17,635 from J. F. Culpeper & Sons, 2515 Ave. D, Ensley, for erecting garage, N. Fifth Ave.; brick, tile, 1 story, 50x190 ft., built-up roof; Chas. H. McCauley, Archt., 709 Jackson Bldg.

Ala., Birmingham—H. M. Brooks, Brown-Marx Bldg., erect \$20,000 garage, S. Ave. B, brick, 1 story, 100x140 ft., tar and gravel roof; I. M. Crum, Contr., 420 St. Charles St.

Ala., Birmingham—John B. Sellers let contract to E. R. Maynard, 2318 Ensley Ave., at \$18,370 for erecting garage, Ave. C; 1 story, 75x150 ft., brick and terra cotta; comp. roof; Warren, Knight & Davis, Archt., 1603 Empire Bldg.

Ala., Montgomery—Standard Oil Co., care J. B. Cravey, Mgr., Groan St., erect filling station, brick; owner builds.

Fla., Jacksonville—City erect storage garage and machine shop, Third and Broad Sts.; rein. conc. struct. steel, comp. roof; City Engineering Dept. preparing plans.

Fla., Jacksonville—Pan-American Petroleum Corp., Lynch Bldg., erect \$10,000 filling station, St. Johns and Forest Aves.

Fla., Jacksonville—Firestone Tire & Rubber Co., Akron, Ohio, erect Florida branch, Adams and Lee Sts.; cost \$400,000; W. C. Harris, Branch Mgr. 7-5

Fla., Jacksonville—Down Town Chevrolet Co., J. H. Riggs, 1904 Dellwood Ave., recently incorporated, let contract to Johnson Finance Co. at \$20,480 for erecting garage; Carlos & Schoeppl, Archt., 602 Consolidated Bldg.

Fla., Okeechobee—Walston Motor Co., incorporated; E. H. Walston, C. S. Walston.

Ga., Macon—Power Oil Co., 691 Third St., has acquired 10 filling stations and has secured control of number of others.

Ga., Thomasville—Dr. W. B. Cochran erect \$22,000 garage; 60x175 ft., brick, steel trusses, conc. floor, built-up roof; S. Ralph Hetner, Archt., Jacksonville, Fla.; Joe M. Buetell, Contr., P. O. Box 84. 7-26

Ky., Paducah—Dixie Motor Co., capital \$10,000, incorporated; F. E. Golightly, 2021 Broadway

La., De Quincy—Clow Motor Co., Inc., incorporated; J. E. Clow.

La., Kinder—Kinder Auto Co., Inc., capital \$10,000, chartered; A. S. King, Lake Charles; Geo. M. King, Kinder.

La., Monroe—Cummings-Dixon Motor Co., Inc., capital \$20,000, incorporated; Gordon Cummings, Harold Dixon, 405 Erin Ave.

La., Shreveport—E. A. George, Archt., 1146 Kingshighway, filed plans for \$130,000 garage; 3 stories.

La., Shreveport—Adolphus, Inc., let contract at \$72,990 to Werner Co., Inc., Commercial Bank Bldg., for erecting building, Edwards St.; 4 stories, rein. conc., brick, steel; comp. built-up roof; steel ramps; Clarence W. King, Archt., Giddens-Lane Bldg.

La., Shreveport—Argonaut Realty Co., 10-264 General Motors Bldg., Detroit, Mich., subsidiary of General Motors Co., let contract to Gervais F. Pavrot, Balter Bldg., New Orleans, for constructing Chevrolet part depot building, Jefferson Davis Pkwy. and Venus St.; 2 stories, 22x150 ft., brick, steel; Johns-Mansfield comp. roof; Albert Kahn, Archt., 1004 Marquette Bldg., Detroit.

Miss., Bay Springs—E. Martin Motor Co. erect brick building.

Miss., Columbia—Columbia Motor Co. erect \$20,000 building; brick, 1 story, 76x120 ft.; Claude H. Lindsley, Archt., Lamar Life Bldg., Jackson.

Miss., Tallahatchie—Rankin Motor Co. erect \$15,000 building; brick, 1 story, tile and comp. roof; Claude H. Lindsley, Archt., Lamar Life Bldg., Jackson.

Mo., Kansas City—Waldo Chevrolet Co. incorporated; W. M. Erickson, Independence; Henry H. Murdock, 3624 Wyandotte St., Kansas City.

Mo., St. Louis—MacLean Motor Co., incorporated; James H. Grover, 410 N. Newstead St.

Mo., Webster Groves (Ind. Br. of St. Louis)—Rhodes Service Shop, Incorporated; H. C. Rhodes, James C. Dawson.

N. C., Charlotte—Hoppe Motors, Inc., 436 W. Trade St., erect addition and remodeling garage, Fourth and Graham Sts.; cost \$12,000.

N. C., Charlotte—Burwell Harris Motor Co., 229 N. Tryon St., let contract to Southeastern Construction Co., 210 W. Second St., for erecting building, N. Church St.; 3 stories, 97x91 ft., rein. conc., comp. r/oof; conc. floors; Lockwood, Greene & Co., Inc., Archt. 5-31

N. C., Wilmington—Chipley's Universal Motor Co., 225 Market St., has acquired site at 219-221 Market St., plans erecting business building.

N. C., Winston-Salem—C. D. Ogburn, Wachovia Bank Bldg., erect building, Sixth and Marshall Sts., to be occupied by Paul A. Bennett Motor Co., 614 Trade St.; rein. conc., 2 stories and sub-basement, 74x200 ft.; cost \$100,000; Frank L. Blum & Co., Contr., 110 E. Second St.

Tenn., Knoxville—Eugene C. Fretz, of Fretz Realty Co., 616 Market St., will erect \$35,000 building to be occupied by Oldsmobile Sales Co.; 2 stories, brick.

Tenn., Knoxville—Chandler & Co., Depot St., let contract at \$65,000 to A. H. Whitsna, P. O. Box 1317, for erecting garage; 2 stories, flat slab rein. conc. construction; Barber & McMurray, Archt., General Bldg. 7-26

Tenn., Knoxville—Cadillac-LaSalle Co. of East Tennessee let contract to J. M. Dunn & Son, 245 Broad St., for constructing building; 1 story, 196x134 ft., brick, conc.; L. M. Dow, Engr., Brownlow Bldg. 5-31

Tenn., Memphis—Mrs. Elizabeth Hein erect garage and filling station, Washington and Fourth Sts.; brick, 1 story, 75x45 ft., comp. roof, conc. floors; Harker & Cairns, Archt., Court Square Bldg.

Tenn., Nashville—Auto Supplies—A. C. and W. C. Cole, 210 13th St., erect building; 1 story and basement, fireproof, conc., brick; J. B. Regan, Contr., 117 Fifth Ave., N.

Tenn., Nashville—Hancock Tire Service Co., 904 Broad St., changed name from Hancock Tire Co., increased capital to \$150,000.

Tenn., Nashville—Cole Bros., 501 Second Ave., N., erect \$12,000 garage, 102 13th St.; fireproof, brick; J. P. Regen, Contr., 117 Fifth Ave., N.

Tex., Caddo—Caddo Motor Co. incorporated; Hall Walker, L. R. Pearson.

Tex., Greenville—Main Tire Co., capital \$15,000, incorporated; Oscar J. Averitt, Edwin B. Averitt.

Tex., Hondo—O. H. Miller has low bid from Ney & Neuman at \$14,470 for erecting garage; 1 story, 96x65 ft.; brick, hollow tile, rein. conc., tile roof, cement floor; Joseph Palle, Archt. 7-12

Tex., Houston—Auto Service System, Inc., Walter Puckett, V.-Pres. and Gen. Mgr., leased building at Travis and Calhoun Sts.; expend \$25,000 for improving and installing new type auto laundry and brake testing station, and \$20,000 for machinery, fixtures and equipment; Nelson Irvin, Archt., 2415 Cleburne St., preparing plans for 1-story building, 125x115 ft., brick, hollow tile and stucco; call bids soon.

Tex., Port Arthur—Kleas Lathman Motor Co., capital \$10,000, incorporated; W. H. Lathman, 537 Fifth Ave.

Tex., San Antonio—Haines-Flagherty Tire Co., 442 Main Ave., soon open bids for erecting filling station; 1 story, brick, stucco; Phelps & Dewees, Archt., Gunter Bldg. 7-12

Tex., San Antonio—J. J. Albers, 227 S. Medina St., let contract to Falbo & Guido Construction Co., 515 N. San Saba St., for garage, San Pedro Creek and Dolorosa St.; 1 story, 33x126 ft., fireproof, rein. conc., brick; Leo M. J. Dielman, Archt., 306 E. Commerce St.

Tex., San Antonio—Milam Chevrolet Co., 435 Main Ave., erect building, N. Flores and Lakeview Sts.; 100x150 ft., 2 stories, stucco, conc., cast stone; asphalt roof; Kelwood Co., Archt., Travis Bldg.; address Archt.

Tex., Tyler—Rich Tire Co., capital \$15,000, incorporated; J. H. Clark, P. G. Malone.

W. Va., Welch—Conet Island Service Station, Inc., incorporated; J. E. Blakeley, J. Max Dawson.

Railways

Ala., Montgomery—Western Ry. of Alabama, C. A. Wickersham, Pres., Atlanta, Ga., applied to Interstate Commerce Comm. for authority to issue \$1,543,000 of first mortgage 4½% gold bonds to retire its consolidated mortgage bonds now outstanding.

Ky., Louisville—Interstate Commerce Comm. authorized Cleveland, Cincinnati, Chicago and St. Louis Ry. Co., H. Baldwin, Ch. Engr., Cincinnati, Ohio, to acquire further control of Louisville and Jeffersonville Bridge and Railroad Co. by purchasing additional capital stock and to operate over tracks and terminal facilities of bridge company in Louisville, Ky., and Jeffersonville, Ind.

Md., Baltimore—Baltimore & Ohio R. R. concluded arrangements for purchase Curtis Bay Railroad from Davison Chemical Co., Garrett Bldg., subject approval Interstate Commerce Comm.; recently acquired 24 acres for additional right-of-way; B. & O. plans bridge across Curtis Creek by which its lines will connect directly with those of interplant railway, now 5.5 mi. long, connecting Davison plants, Miller Fertilizer Co., and Swift Fertilizer Co., and by car floats connects with 3 trunk line systems serving Baltimore.

Missouri—Interstate Commerce Comm. authorized St. Louis-San Francisco Ry., F. G. Jonah, Ch. Engr., St. Louis, to acquire 5 subsidiary lines by purchase of properties; lines are Kansas City, Fort Scott and Memphis Ry.; Kansas, Memphis and Birmingham R. R.; Kansas City, Clinton and Springfield Ry.; Muscle Shoals, Birmingham and Pensacola R. R., and Kansas City and Memphis Ry. and Bridge Co.

Missouri—St. Louis Southwestern Ry. Co., W. S. Hanley, Ch. Engr., Tyler, Texas, applied to Interstate Commerce Comm. for permission to acquire 3 small railroads located in Missouri and Arkansas, which are Gideon & North Island Road, Deering Southwestern Ry. Co.; Blytheville, Leachville & Arkansas Southern Ry.; also applied for permission to construct line from Gideon, Mo., to Deering, Mo., distance of 20 miles, and another line of railway from Hornersville, Mo., to Leachville, Ark., distance of 11 miles.

Texas—Chicago, Rock Island & Gulf Ry. Co., N. H. Lassiter, V.-Pres., Fort Worth, applied to Interstate Commerce Comm. for authority to acquire and operate 58 miles of railroad between Amarillo and Stinnett and to complete construction of 50-mile line between Stinnett and Texas-Oklahoma boundary; will issue \$108,000 of capital stock, to be used for financing acquisition and construction.

Railway Shops and Terminals

La., New Orleans—Inland Waterways Corp. let contract to Hampton Reynolds, Maison Blanche Bldg., for reconstructing rail and river terminal. Includes constructing approximately 1100 ft. of inclined pile and timber trestle and one mile of track work; W. F. Schultz, Shrine Bldg., Memphis, Tenn., Cons. Engr.; work under direction of A. R. Wurtele, Ch. Engr. for Inland Waterways Corp.; J. C. Colgan, Supt. of

Inland Waterways Corp., in direct charge; contractor receiving bids on necessary materials. 7-19

Okla., El Reno—Chicago, Rock Island & Pacific Ry. Co., C. A. Morse, Ch. Engr., Chicago, let contract to Joseph E. Nelson & Sons, 35 S. Dearborn St., Chicago, for constructing water treating plant.

Tex., Amarillo—Chicago, Rock Island and Pacific Ry. Co., C. A. Morse, Ch. Engr., Chicago, let contract to Railroad Water & Coal Handling Co., 608 S. Dearborn St., Chicago, for constructing 40,000 gal. capacity fuel oil station.

Tex., Dalhart—Chicago, Rock Island and Pacific Ry. Co., C. A. Morse, Ch. Engr., Chicago, Ill., let contract to Railroad Water & Coal Handling Co., 608 S. Dearborn St., Chicago, for constructing 5000 bbl. fuel oil station; also for constructing water treating plant and conc. storage sump.

W. Va., Benwood—Pennsylvania R. R., W. D. Wiggins, Ch. Engr., Pittsburgh, Pa., reported, erecting \$200,000 engine house and yards.

Roads, Streets and Paving

In connection with LAND DEVELOPMENT large sums are expended for roads, streets, paving and sidewalks. Details will be found under that classification.

Proposed Construction

Ala., Anniston—George L. Moulton, Asst. State Engr., Dist. U. S. Road Engr., will make survey for Bankhead Highway in city limits; H. P. Harris, City Engr.

Ala., Birmingham—Jefferson County Bd. of Revenue, Lacey Edmundson, Chmn., for .75 mi. conc. or bit. paving, Tarrant City; C. J. Rogers, County Engr. 7-26

Ala., Birmingham—City Comm., authorized Seventeenth St. paving, \$21,800; Cliff road, \$17,750; A. J. Hawkins, City Engr.

Ala., Birmingham—Jefferson County Bd. of Revenue plans receiving bids to pave Rocky Ridge road, between Montgomery Highway and Water Works road; plans widening and improving Cahaba Beach road; Claude J. Rogers, County Engr.

Ala., Mobile—City Commrs. plans expending \$2,000,000 for paving.

Ala., Mobile—Mobile County Bd. of Revenue and Road Commrs. plans receiving bids to grade, drain, etc., 2 roads, totaling 16 mi.: 13.75 mi., Project 7, from end of paving on Old Shell road, to Grand Bay Highway, \$421,000; 2.25 mi., Project 20, city limits on Fulton road, to east and west road south of Pine Crest cemetery, \$64,000.

Ala., Tuscaloosa—City Comm. plans expending \$125,000 to pave several streets.

Ala., Tuscaloosa—State Highway Comm., Montgomery, receives bids Aug. 14 to pave Tenth St., Tenth Ave. and Hackberry Lane; 8100 sq. yd. 7-in. plain cement conc., 10,249 sq. yd. 5-in. rein. cement conc., 710 sq. yd. 6-in. plain cement conc. pavement, 3574 cu. yd. excavation; Woolsey Finnell, Highway Dir.

Ark., Camden—Ouachita County, J. W. Livingston, Judge, plans letting contracts soon for 3 roads: Holly Springs-Eagle Mills; Camden-Eagle Mills; Camden-Hampton road.

Ark., Conway—City plans grading, curbing, 2 mi. conc. paving, in Paving Dist. 15, including Chestnut, Deer, Independence St.

Ark., Hot Springs—City has preliminary plans for grading, curbing and hard surfacing 20 blocks Whittington Ave.

Ark., Little Rock—City contemplates 14 blocks, grading, curbing, guttering, conc., asphalt or asphaltic conc. paving, Second, Chester Sts., etc.

Ark., Paragould—State Highway Comm., Little Rock, considering building Eight Mile road, from present east highway into Craighead County.

Ark., Pine Bluff—Jefferson County, R. H. Williams, Judge, plans 2½ mi. road from Bruce, Jefferson County, to connect with Sheridan Pike, Jefferson and Grant Counties.

Ark., Walnut Ridge—State Highway Comm., Little Rock, plans washed river graveling 2 roads in Lawrence County; 10 mi. Highway 63, Black Rock to Imboden; Highway 25, Powhatan to Independence County line; plans survey of road from Powhatan to Black Rock, and of bridges.

Ark., Wynne—City plans letting contract in about 30 days for 16 blocks of paving;

J. W. Ratekin, Sec. of Chamber of Commerce.

Fla., Bradenton—Manatee County Commrs. considering building Piney Point road, Bayshore road to Piney Point ferry landing; Longboat Key road.

Fla., Bradenton—City plans paving boulevard Thirteenth to Ninth; extensions of Thirteenth, Twenty-fifth, Twenty-third St., Thirteenth and 8th Aves.; pave and widen Twelfth St. extension; drive along Ware's Creek, Sixth to Seventh Ave. Council approved widening extension Twelfth St., 34 to 50 ft.; Roy K. Van Camp, Commr.

Fla., DeLand—Volusia County Commrs. considering State Road 4, through Rio Vista, Grmond and Holly Hill, \$25,000 to \$35,000. See Financial News.

Fla., Miami—City Comm. receives bids Aug. 6 for highway improvement in Dist. 302 and 376: H-302—800 sq. yd. grading, 5-in. pit rock base, and .30 application oil and sand; H-376—2620 sq. yd. grading, 1935 sq. yd. 5-in. pit rock base, .30 application oil and sand; H. E. Ross, City Engr.

Fla., Palatka—Putnam County considering completing State Highway 28, Palatka to Bradford County line.

Fla., Tampa—City Comm., D. B. McKay, Mayor, receives bids Aug. 10 to grade, curb, pave, etc., York St.; 5725 sq. yd. vitrified brick pavement, shell base; 4880 sq. yd. asphalt block pavement, 1780 lin. ft. granite curb, 7000 cu. yd. excavation.

Fla., Tampa—City Comm., W. Leslie Brown, Mgr., plans improving thoroughfares in various sections, including re-surfacing Emma St., Central to Florida Ave.; grading and shelling Lombright St., Florida Ave. to river, and 15 other streets in Seminole territory.

Ga., Atlanta—City, I. N. Ragsdale, Mayor, has tentative plans for extending, grading, paving, etc., Broad St., Mitchell to Whitehall St. intersection, \$73,364.

Ga., Atlanta—City, I. N. Ragsdale, Mayor, considering paving Sixteenth St.; resurfacing Fifteenth St., Peachtree to Piedmont Ave.

Ga., Blackshear—State Highway Comm., East Point, plans letting contract to pave Oglethorpe Highway, with limestone base, asphalt top surfacing, Blackshear to Patterson, Pierce County.

Ga., LaGrange—City, J. H. Moss, Clk., receives bids Aug. 6 for plain conc. pavement on College Ave., Vernon to Ridge St., including grading, storm sewers, catch basins, plain conc. slab with integral curbing.

Ga., Macon—Bibb County plans \$500,000 paving. See Financial News.

Kentucky—State Highway Comm., Frankfort, received low bids for 20 roads, totaling 180 mi. and 4 bridges, cost about \$1,600,000: Allen County—2.3 mi. traffic-bound stone surface, Scottsville-Tompkinsville road, Alexander Brothers & Hobson, Cadiz, \$26,154; Ballard County—9.6 mi. bank gravel, Wickliff-Lancaster road, N. E. Stone & Co., Madisonville, \$28,241; Boone County—5.3 mi. conc. surfacing, Florence-Union-Warsaw, Ashland Supply Co., Ashland, \$131,429; Boyd County—10 mi. grade and drain, Catlettsburg-Louisia (Big Sandy) road, Ashland Supply Co., \$110,816; Carlisle-Ballard Counties—13.8 mi. bank gravel, Bardwell-Lovelaceville, Corum Bros., Madisonville, \$35,189; Carter County—3.9 mi. grade, drain, Grayson-Hitchens-Willard road, Codell Construction Co., Winchester, \$47,185; Crittenden County—7.7 mi. grade, drain, Marion-Ford's Ferry, G. E. Stoner, Kuttawa, \$83,739; Fulton County—68 mi. rein. conc. surfacing, Fulton-Tennessee State Line road, Hays Construction Co., Jackson, Tenn., \$19,663.

In Greenup County—4.5 mi. grade, drain Greenup-Fullerton-Vanceburg road, Hunt, Forbes Construction Co., Ashland, \$63,609; Henderson County—9 mi. grade, drain Henderson County-Henderson-Corvdon road, Carter, Carter & Braden, Clay, Ky., \$50,977; Lawrence County—19.5 mi. traffic-bound macad. Louisiana-Pointsville, Ashland Supply Co., \$143,536; Madison County—7.7 mi. traffic-bound macad. Richmond-Red House-Winchester, William Gormley, Versailles, \$42,429; Madison County—7.2 mi. grade, drain Richmond-McKee, Codell Construction Co., \$69,619; Marshall County—15.5 mi. bank gravel surfacing, Eggners Ferry-Benton, W. F. Robinson & Sons, Owensboro, \$46,688; McCracken County—7.3 mi. rock asphalt surfacing, Paducah-Benton, N. E. Stone & Co., \$134,572; 6.4 mi. grade, drain Paducah-Mayfield, R. F. Pryor & Co., Mayfield, \$34,041.

In Perry County—8.7 mi. grade, drain Chavies-Buckhorn, Codell Construction Co., \$155,580; 6.6 mi. traffic-bound sandstone surfacing, Hazard-Jackson, Codell Construction Co., \$42,316; 5.5 mi. creek gravel surfacing, Hazard-Jackson, Codell Construction Co.,

\$28,051; Pike-Letcher Counties—16.5 mi. grade, drain Pikeville-Whitesboro road, Sutherland Brothers, Clintwood, Va., \$258,139. Bridges: Greenup County—bridge over Tygart Creek, Greenup-Fullerton road, steel superstructure, Brookville Bros., Brookville, Ohio, \$31,704; conc. structure, E. K. Newell & Co., Maysville, \$29,916; Magoffin County—over Licking River, Salyersville-West Liberty road, steel superstructure, E. R. Mills, Covington, \$8685; Morgan County—over Licking River, West Liberty-Salyersville road, steel superstructure, E. R. Mills, \$8685; Perry County—over North Fork, Kentucky River, Hazard-Hayden road, steel superstructure, Vincennes Bridge Co., Vincennes, Ind., \$43,332; conc. substructure, Cook & Elliott, Oneida, Tenn., \$23,499. 7-12

Ky., Greenville—State Highway Comm., Frankfort, plans letting contract in Aug. for Central City-Drakesboro-Logan County road, Muhlenburg County, by Weir; T. E. Sparks, County Judge.

Ky., Louisville—City, Bd. of Public Works, Forrest Moss, Sec., receives bids Aug. 6 to build 17 alleys.

Ky., Paris—Bourbon County Fiscal Court plans improving 3 roads, approaches and building bridge: Rebuild Georgetown road, Clay's Cross Roads, to Scott County line; straighten "Dead Man's Curve," Lexington road; rebuild 1 mi. Carlisle and Cynthiana road; build conc. Houston Creek Bridge, on Georgetown road near Paris; straighten road and widen approaches to bridge.

La., Baton Rouge—East Baton Rouge Parish Police Jury, F. A. Woods, Sec., receives bids Aug. 14 for 9875 lin. ft. curb and gutter, 565 lin. ft. circular curb and gutter, 3760 ft. 12 to 24 in. conc. pipe, 1000 cu. yd. gravel, 42 catch basins, Sub-Road Dist. IU (Edge-wood Lawn); A. G. Mundinger, Engr.

La., Baton Rouge—Comm. Council plans receiving bids to pave Main, Mamie and Plum Sts., Jackson road, etc.

La., Covington—City, Wallace M. Poole, Mayor, receives bids Aug. 16 for 1336 sq. yd. 2-in. Warrenite bitul thic, on 5-in. conc. base paving, Kirkland St., New Hampshire to Columbia St.; A. G. Mundinger, Engr., 209 Main St., Baton Rouge.

La., Natchitoches—City considering graveling Amulet St., Second to western city limits; paving from Front to Second; paving Touline St., Front St. to new Texas and Pacific station.

La., New Orleans—City plans expending \$545,000 for sidewalks, conc. and asphalt paving on 91 blocks of streets, including Hamilton, Dryades; A. Vallas, Engr.

La., New Orleans—Louisiana Highway Comm., Baton Rouge, plans improving Chef Menteur road with Birmingham slag; James M. Fourmy, State Highway Engr.

La., Pineville—Town, Mayor and Bd. of Aldermen, receive bids Aug. 7 for conc. sidewalks, curb and gutter on Donohoe Ferry Road or extension of Main St.; H. J. Dalgre, Engr., Alexandria.

La., Rayville—Town plans receiving bids in 2 or 3 weeks for \$225,000 paving; Massena L. Culley, Engr., First Natl. Bank Bldg., Jackson, Miss. 6-28

La., St. Bernard—Bd. of Road Supvrs. of Road Dist. 1, of St. Bernard Parish, 906 Gravier St., New Orleans, receives bids July 31 for 15,810 sq. yd. cement conc. pavement, 15,060 sq. yd. bit. pavement on Angela and Mehla St.

Maryland—State Roads Comm., Baltimore, received low bids for 5 roads: Frederick County—91 mi. conc., end of Cont. F-52 toward Point of Rocks, M. J. Grove Lime Co., Lime Kiln, \$17,934; Prince Georges County—1.25 mi. conc. along River road, from end of Cont. P-68 toward Bladensburg, and along Sultland road, from end of Cont. P-68 to Sultland, Latimer & Maloney, 17th and Holly Sts., N. W. Washington, D. C., \$20,552; Worcester County—59 mi. conc. along William St., Berlin, Powellton Ave. to Ocean City road, Layfield & Waller, Salisbury, \$11,115; 46 mi. conc., Market St., Snow Hill, from Church St. to Pocomoke City State road, Hannaman-Burroughs Co., Salisbury, \$8040; Montgomery County—1.5 mi. conc. shoulders River road, Campbell's Corner to Woodmont-Glen Echo road, Latimer & Maloney, \$28,217. 7-19

Md., Baltimore—City, Bd. of Estimates, approved expending \$90,700 to improve 9 streets and avenues, including Oldham St., Delmar Ave.; Nathan L. Smith, Highways Engr.

Md., Baltimore—City, Bd. of Awards, receives bids Aug. 8 to grade, curb, pave with 11,850 sq. yd. cement conc. streets in Cont. 475; 9550 sq. yd. sheet asphalt on conc. base, Cont. 476; Nathan L. Smith, Highways Engr.

Md., Easton—Town, Richard Goldsborough, Clk., receives bids Aug. 13 for 4200 lin. ft. conc. curb and gutter; E. G. Kastenhuber, Jr., Engr.

Mississippi—State Highway Dept., Jackson, receives bids Aug. 13 to furnish 4850 tons sand-clay and washed gravel, and build 2 roads: Yalobusha County—1.54 mi. State Trunk road, Water Valley to Oxford, 29,600 cu. yd. excavation and borrow, 11,947 lb. rein. steel; Jackson County—1.858 mi. Bates type conc. paving, Pascagoula to Mobile; G. A. Draper, State Highway Engr.

Miss., Columbia—City receives bids soon to pave curb and lay storm sewers, 1 mi. Broad St., \$75,000.

Miss., Corinth—Alcorn County Bd. of Supvrs. plans widening and improving Park road to Hillandale Country Club and to Crystal Lake and amusement park.

Miss., Jackson—Hinds County Bd. of Supvrs. receives bids Aug. 8 for 1100 lin. ft. integral curb and gutter at Utica.

Miss., Laurel—Jones County Bd. of Supvrs. plans receiving bids to grade and drain Ellisville-Laurel section of Jackson Highway, including conc. bridge across Tallahoma Creek. 7-12

Miss., Lexington—Holmes County Bd. of Supvrs. plans \$25,000 road building in Dist. 1; \$50,000; Dist. 4. See Financial News.

Miss., Meridian—Lauderdale County Good Roads Comm., John E. May, Chmn., plans receiving bids to pave 1.6 mi. Poplar Springs Drive, from old city limits to new city limits.

Miss., New Albany—Union County Bd. of Supvrs., D. H. Hall, Commr., receives bids Aug. 7 for 100 mi. road.

Miss., Pascagoula—City Council considering hard surfacing sidewalks, laying curbs and gutters, Telephone St.

Miss., Senatobia—Tate County Bd. of Supvrs. plans creating Road Dist. for 3 hard surfaced roads, totaling 40 mi.: Senatobia to Sarah; Tyro to Senatobia; Thyatira and Wyatt to Senatobia.

Missouri—State Highway Comm., Jefferson City, receives bids Aug. 10 for 29 roads and 32 bridges: Atchison County—1.056 and 4.899 mi., 30-ft. graded earth, Rockport-Linden, 117,295 cu. yd. excavation; Clinton County—1.851 mi. 30-ft. graded earth, Plattsburg-southeast, 32,632 cu. yd. excavation, steel deck girders, bridge over Smith Fork; Davies County—3.346, 3.043 mi., 30-ft. graded earth, Harrison County line, south, 212,708 cu. yd. excavation, steel truss bridges over Big Creek; Harrison County—3.235, 3.801 mi. 30-ft. graded earth, Route, south, 208,488 cu. yd. excavation, steel truss and pile trestle bridges over Big Creek, Montgomery Branch; Worth County—2.571 mi. 30-ft. graded earth, Grabb City-Allendale, 68,420 cu. yd. excavation, bridge.

In Adair County—1.686 mi. 30-ft. graded earth, Kirksville, west, 48,294 cu. yd. excavation; Chariton County—3.057 mi. 30-ft. graded earth and 18 ft. gravel, Glasgow, north, 84,825 cu. yd. excavation, 3489 cu. yd. pavement, bridges over creeks; Henry County—692 mi. widening conc. pavement, Clinton-south, 3,809 mi. 18-ft. gravel, Deepwater-south, 19,034 cu. yd. excavation, 4870 cu. yd. pavement; Platte County—3.601 mi. 18 and 9 ft. conc., Parkville-north, 5466 cu. yd. excavation, 23,466 sq. yd. pavement; Cooper County—3.213, 2.619 mi. 18-ft. gravel, Route 40 south, 50,849 cu. yd. excavation; Iron County—523 mi. 18 ft. gravel Arcadia, east, 9834 cu. yd. excavation, bridges over creeks St. Louis County—1.919 mi. 54-ft. graded earth, Dorsett-Olive St. road, 102,048 cu. yd. excavation.

In Warren County—2.285 mi. 18-ft. gravel, Marthasville, north, 57,716 cu. yd. excavation, bridges over Falling Timber Branch and Sandy Creek; McDonald County—1.307 mi. 18-ft. gravel, through Anderson, 28,885 cu. yd. excavation, bridges over Dry Branch and Beaver Creek; Dallas County—3.996, 4.899, 5.857 and 5.00 mi. 30-ft. graded earth, Buffalo-north and Buffalo to Springfield, 210,670 cu. yd. excavation, bridges over creeks; Greene County—3.678 mi. 30-ft. graded earth, Buffalo-Springfield, 29,638 cu. yd. excavation, bridges over Pomme de Terre River and creek; Wright County—3.528 mi. 18-ft. gravel, Masonfield Ave.; Douglas County—4.608 and 4.583 mi. 18-ft. gravel, Mansfield Ave.; Reynolds County—bridges at Ellington, over Logan and Dixon Creeks; Butler County—500 mi. 24-ft. graded earth, Poplar Bluff-south, 27,275 cu. yd. excavation; Dunklin County—379 mi. 18-ft. gravel, St. Francis River, east, 5451 cu. yd. excavation.

Mo., Jefferson City—City, H. A. Nail, Clk., receives bids Aug. 6 to improve Fillmore St.,

Jefferson to Washington; F. E. Ross, City Engr.

Mo., Jefferson City—City receives bids Aug. 6 to pave Dunklin St., Mulberry to Walnut, 1050 cu. yd. excavation, 1200 sq. yd. stone base, penetration macad. surface course, 900 lin. ft. conc. curb and gutter; Dunklin St., Broadway to Mulberry, 2660 cu. yd. excavation, 1400 sq. yd. stone base, penetration macad. surface course, 100 lin. ft. cement curb and gutter; F. E. Ross, City Engr.

Mo., St. Louis—Bd. of Public Service receives bids Aug. 14 to improve 6 streets and avenues including Gravois Ave., Neosho St.; re-build Frey Ave.

Mo., St. Louis—City, Bd. of Public Service, plans widening Easton Ave., 60 to 80 ft., also grading, and granite paving, \$130,000; plans 29,750 sq. yd. grading, conc. paving, alleys in various blocks, \$85,010; W. W. Horner, City Engr.

North Carolina—State Highway Comm., Raleigh, receives bids Oct. 7 for 5 roads: 9 mi. hard surface, Route 110, Conover to Catawba; 7 mi. top-soiling, Route 90, Taylorsville to Lenoir; 2 mi. top-soiling, from Candor to Norman, Richmond County; 9 mi. top-soiling, Route 74, Albemarle to Cabarrus County line; 12 mi. top-soiling, Route 80, Wadesboro to South Carolina line.

N. C., Asheville—City plans street improvement. See Financial News.

N. C., Salisbury—State Highway Dept., Raleigh, plans 17 mi. grading, rein. conc. structures, Rowan County, \$80,000.

N. C., Wilmington—State Highway Comm., Raleigh, will pave Third St. extended, from Willard St. to city limits.

Okla., Altus—City plans 8450 sq. yd. grading, conc. paving, Grandview and Hickman St.; \$34,925; J. C. Chisum, Engr.

Okla., Beaver—Beaver County plans extending \$25,000 for 8 mi. grading Road 7; J. W. Lewis, Engr.

Okla., Chandler—City plans 5600 sq. yd. grading, vertical fibre brick paving, Dewey Ave.; \$27,200; Benham Engineering Co., 512 Gumbel Bldg., Kansas City, Mo.

Okla., Chickasha—City plans 12,000 sq. yd. grading, conc. paving, Thirteenth St., \$36,672; 12,770 sq. yd. Alabama St., \$37,860; R. O. Bradley, Engr.

Okla., Duncan—City plans 7,860 sq. yd. grading, conc. paving, Eleventh and Elder St., \$31,000; H. Sullivan, Engr., Temple.

Okla., Elk City—City plans extending \$36,608 for 7300 sq. yd. grading, conc. paving, Thurmond and Browne St.; Benham Engineering Co., Gumbel Bldg., Kansas City, Mo.

Okla., Enid—Garfield County plans 4 roads: 13,775 sq. yd. conc. paving, Road 11, \$27,000; 11 mi. grading, 18-ft. Roads 8, 14 and 16; \$30,000; F. W. Denner, Engr.

Okla., Holdenville—City plans 11,000 sq. yd. grading, conc. paving, Cypress St., \$32,907; C. H. Edge, Engr.

Okla., McAlester—Pittsburg County has preliminary plans for 7 mi. grading, 26-ft. Lake McAlester road; F. Frazer, Engr.

Okla., Marietta—State Highway Comm., Oklahoma City, plans east and west highway through Love County; C. R. Mandigo, State Highway Engr.

Okla., Okemah—Okfuskee County contemplating 8 mi. 28-ft. grading, Road 2, \$35,000; G. Catlett, Engr.

Okla., Oklahoma City—City, E. M. Fry, Mgr., plans 8700 sq. yd. grading and conc. paving, Twenty-fifth St., \$33,600; 11,600 sq. yd. grading, asphalt paving, Pennsylvania St., \$46,000; 5000 sq. yd. grading, sheet asphalt, Twenty-seventh St., \$28,242; 16,200 sq. yd. grading, sheet asphalt, Laird and Forest Ave., \$30,744; 10,070 sq. yd. Noble Ave., \$41,200; W. W. Small, Engr.

Okla., Oklahoma City—Oklahoma County plans 10 mi. grading, 28-ft. road 21, \$30,000; R. S. James, Engr.

Okla., Oklahoma City—E. M. Fry, Mgr., plans paving Twentieth and Twenty-first Sts., Drexel to Woodward Ave.; lay 2 sanitary sewer lines, all in Linwood Place; Wm. W. Small, City Engr.

Okla., Ponca City—City plans 7300 sq. yd. grading, vertical fibre brick paving, McFadden St.; H. W. Crawford, Engr.

Okla., Shawnee—City plans 12,875 sq. yd. grading, sheet asphalt paving, \$56,097; E. T. Archer & Co., Engr., New England Bldg., Kansas City, Mo.

Okla., Tulsa—City Comm. plans 6200 sq. yd. grading and 7-in. conc. paving, 6100 sq. yard sheet asphalt, widening, \$33,400; 5700 sq. yd. sheet asphalt paving, Maybell Ave.; B. M. Hart, Engr.

Okla., Tulsa—City Comm. plans receiving bids to pave between tracks of Oklahoma

Union Ry., East Eleventh St.; Dan Patton, Mayor; B. M. Hart, City Engr.

Okla., Wewoka—City plans grading 17,600 sq. yd. conc. paving, \$61,226; V. V. Long & Co., Engrs., 1300 Colcord Bldg., Oklahoma City.

South Carolina—State Highway Dept., Columbia, received low bids for 8 roads and 5 bridges and culverts costing \$547,000; Anderson County—6.8 mi. Route 91, end of paving, Anderson to Starr, Concrete Construction Co., 730 Lady St., \$140,399; Greenville County—5 mi. Route 25, end of pavement north of Travelers Rest toward North Carolina line, \$116,874; Dillon County—3 mi. Route 9, end of paving, Dillon toward Lake View, Robert G. Lassiter & Co., Citizens Bk. Bldg., Raleigh, N. C., \$105,368; 5 mi. Route 9 toward Little Rock, Robert G. Lassiter Co., \$85,139; Williamsburg County—225 mi. Route 17, approach fills to bridges in Black River Swamp, W. B. Boyle Co., Sumter, \$8844; York County—423 mi. top-soil, from York County line to intersect with Route 5, Chester County, Stewart-Jones Co., Rock Hill; Lexington County—1.549 mi. sand-clay, from point near Cayce, Route 2, to point near New Brookland, Route 215, T. E. Hook, Lexington, \$7272; Berkeley County—2.904 mi. Route 2, Biggins Church toward Cordesville, Richardson Construction Co., Box 694, Charleston, \$19,222; Bridges: Richland-Fairfield Counties—rein. conc. Little River Bridge, Route 215, D. H. Rickenbaker, Union, \$25,405; Laurens County—rein. conc. Little River Bridge, Route 2, E. C. Hughes, Columbia, \$17,287; Chester County—rein. conc. Caney Fork Creek Bridge, Route 7, between Chester and Carlisle, C. Y. Thomason, Greenwood, \$6653; Fairfield County—extend rein. conc. culvert, Route 215, Paul Gilmore, Spartanburg, \$5330; Saluda County—extend rein. conc. culvert, Route 24, between Saluda and Batesburg, Paul Gilmore, 7-12

S. C., Anderson—Anderson County Commrs. plan grading road from Anderson to Williamston, pave road from Anderson to Starr, Starr to Iva; ¼ mi. Route 20, in Belton; plan selling bonds.

S. C., Charleston—City, J. O. Summers, Clk., plans paving, re-paving or re-surfacing Pennsylvania and Stephen Aves., Slack St.

S. C., Walterboro—Colleton County Commrs., C. B. Gahagan, Clk., plans receiving bids soon, for completing 3 top-soiled roads: Old Charleston-Augusta Highway, Bamberg County line, near Edisto River, to Dorchester County line, Givhans Ferry; Cottageville to Edisto River, through Lodge to Bamberg County line, near Ehrhardt; sold bonds.

Tenn., Chattanooga—Dept. of Highways and Public Works, Nashville, receives bids Aug. 10 for 2 roads, Hamilton County: 1.127 mi. paving State Highway 2, Chattanooga to Lookout Mountain; 6.065 mi. State Highway, between East Chattanooga and Silverdale; Harry S. Berry, Commr.

Tenn., Huntingdon—Carroll County plans grading short road spur on McKenzie-Memoresville road, connecting at Baxter Hill; later will apply gravel; build bridges.

Tenn., Jackson—City, Lawrence Taylor, Mayor, plans 6-in. one-course conc. and 2-in. penetration asphalt paving on 6-in. gravel on 8 streets. See Financial News.

Tenn., Nashville—Dept. of Highways and Public Works receives bids Aug. 10 for 9 mi. paving, State Highway 24, Nashville to Wilson County line; Harry S. Berry, Commr.

Tenn., Shelbyville—City plans \$70,000 grading, curbing, conc. paving; W. A. Fuller Co., Engr., 1912 Railway Exchange Bldg., St. Louis, Mo., and 1709 Russell Ave., Nashville, Tenn.

Tenn., Selmer—McNairy County will grade and drain 9 mi. State Highway 5, near Gillespie Place, via Stantonville, to Hardng County line near entrance to Shiloh National Military Park; \$55,000 available; State will surface road with gravel, and maintain.

Tenn., Springfield—Robertson County and Dept. of Highways and Public Works, Nashville, plan improving 8 mi. Springfield-Ashland City road; H. F. Berry, Highway Commr.

Tex., Aransas Pass—City plans \$21,000 street paving. See Financial News.

Tex., Belton—State Highway Dept., Gibb Gilchrist, Engr., will complete survey in Bell County in Aug. for highway system; straighten Austin road, from Salado to Williamson County line.

Tex., Big Lake—Reagan County considering \$204,000 road building. See Financial News.

Tex., Brownsville—State Highway Dept., Austin, plans widening 15 to 18-ft., 3 mi.

road from San Benito, Cameron County, to point beyond Dead Man's Curve.

Tex., Dallas—City Comm., E. R. Burt, Mayor, plans widening, extending and opening Houston St., from Young St., under Oak Cliff viaduct, southeast; Arlington St., Houston to Jefferson.

Tex., Fort Stockton—Pecos County, Howell Johnson, Judge, plans 3 roads, cost \$265,000. See Financial News. 7-12

Tex., Gainesville—Cooke County plans 8 roads, totaling 53 mi. conc. highways, east and west, north and south, through county; 13½ mi. black top roads; 127½ mi. gravel roads; 20 mi. conc. Highway 5, Red River to Denton County line; 33 mi. conc. Highway 40, Montague County line to Grayson County line; 7½ mi. black-top road from Valley View to Era; ½ mi. black-top road, from Lindsay to intersect conc. highway; 5½ mi. through Myra to conc. highway east and west; 37 mi. gravel road, Comms. Precinct No. 1; 52½ mi. Precinct 2; 73 mi. Precinct 3; 56 mi. Precinct 4; \$2,000,000.

Tex., Georgetown—Williamson County plans topping highway between Taylor and Coupland to county line; J. C. Abbott, County Commr.

Tex., Houston—W. A. Moore, Sec., received low bid from J. M. Griswold Sons, 3840 Polk St., \$6,315 to shell-top 5 streets in Group K; A. M. Arnold & Co., 112 Buffalo St., \$6210, for gravel base.

Tex., Houston—City, W. A. Moore, Sec., plans \$200,000 for White Oak Bayou Drive.

Tex., Houston—City, W. A. Moore, Sec., plans \$1,750,000 to widen and straighten Washington Ave., Franklin to Preston; \$600,000, permanent paving; \$200,000, macadamize streets. See Financial News.

Tex., Houston—Harris County, H. L. Washburn, Auditor, receives bids Aug. 6 to shell Sens road.

Tex., Laredo—State Highway Comm., Austin, plans receiving bids soon for third section of paving, Sec. D, Webb County; T. E. Huffman, County Judge.

Tex., Lockhart—City Comm. plans expending \$100,000 to tartrate 25 mi. streets in city limits. See Financial News.

Tex., Marlin—Falls County plans \$25,000 road and bridge building. See Financial News.

Tex., Marshall—State Highway Dept., Austin, plans widening and rebuilding, etc., road from Marshall, Harrison County, to Marion County line.

Tex., McAllen—McAllen Development Co., F. Crow, Pres., Federal Reserve Bank Bldg., San Antonio, receiving bids for roads in McAllen Suburban Citrus Groves and Winter Vegetable Gardens, \$45,000; private plans.

Tex., Palestine—State Highway Comm., Maintenance Dept., Austin, plans 5 mi. asphalt top, Palestine-Rusk road, from bridge over Neches River, toward Palestine; 3½ mi. asphalt, Palestine-Tucker road, Tucker to Trinity River Bridge, both Anderson County.

Tex., Pecos—Reeves County considering road from Pecos to Lea County, New Mexico, oil fields around Jal; north to Porterville, over State Highway 17, then north-east across Loving County, through Ward County to New Mexico line.

Tex., San Antonio—City, C. M. Chambers, Mayor, plans widening Main and Rodriguez Sts.; I. Ewig, City Engr.

Tex., Sherman—City, O. J. S. Ellingson, Mgr., plans \$75,000 street paving. See Financial News.

Tex., Silvertown—Briscoe County plans \$40,000 roads in Precinct 6. See Financial News. 6-28

Tex., Waco—McLennan County plans re-graveling Levi road near Rosenthal; Manton Hannah, County Engr.

Tex., Waco—George D. Field, Sec., plans \$500,000 street improvement. See Financial News. 6-28

Virginia—State Highway Comm., Richmond, received low bids for 2 roads: 7.8 mi. conc. Route 34, eastern shore of Virginia, from point south of Keller, Robert G. Lassiter & Co., Citizens Bank Bldg., Raleigh, \$185,941; Campbell County—grading, draining, near Altavista, C. D. Rigabee, 1505 W. Chapel Hill St., Durham, \$25,612.

Va., Prince George—State Highway Comm., Richmond, may complete 6 mi. road, Prince George County, between Garysville and Bailey's Creek Bridge.

W. Va., New Martinsville—Electrical System—City, S. R. Cox, Clk., voted \$125,000 bonds. 6-7

W. Va., Sutton—Braxton County plans improving 8 roads, totaling 43 mi., Birch Dist.: Strange Creek-Keener Low Gap; Keener Low Gap through Harold to Frametown; Perrine Hill road; from L. S. Ball's resi-

dence to Keener Ridge road; Lower Mill Run road; Upper Mill Run road; Villa Nova-Calhoun County line; Frametown-Rosedale road, \$127,000. See Financial News.

Contracts Awarded

Alabama—State Highway Comm., Montgomery, let contracts for 21 roads, totaling 306 mi., and 21 bridges; total cost \$2,425,193: Washington County—20.72 mi. grading, draining, Wagerville to Yarbo M. A. Deese, \$117,429; timber and conc. bridges, Lamb & McLemore, Eutaw, \$21,736; Washington and Choctaw Counties—17.32 mi., Yarbo to S.Jas, Bessemer Engineering and Construction Co., 2109 Fifth Ave., N. Birmingham, \$108,928; timber and conc. bridges, J. R. Chambliss, \$44,240; Choctaw County—16.92 mi., Silas to Butler, J. A. Barthle, Lake Jovita, Fla., \$148,590; conc. and timber bridges, J. R. Chambliss, \$61,203; Madison County—13.92 mi., grade, drain, gravel surface, Huntsville, north, Cox & Bryson, \$111,921; conc. and timber bridges Garrett Brothers, \$54,382; Morgan and Lawrence Counties—8.46 mi. crushed stone surface, Decatur to Courtland, Pittrell Construction Co., \$19,310.

In Perry, Hale and Marengo Counties—31.44 mi. gravel surface, Uniontown to Moscow, W. J. Bryson, W. 11th St., Jacksonville, Fla., \$51,886; Morgan County—3.60 mi. cement conc., Decatur to Hartselle, W. J. Bryson, \$62,749; 3.85 mi. grading, etc., Decatur to Hartselle, Bessemer Engineering and Construction Co., \$46,465; conc. bridges on latter project, Dugger Bridge Co., \$25,262; Henry and Dale Counties—14.52 mi. grading, draining, sand-clay surface, Abbeville to Echo, Brantley & Crawley, \$78,466; conc. and timber bridges, Bosworth Smith Co., \$37,664; Lowndes County—10.93 mi. grading, draining, Mount Willing to Haynesville, M. D. Burton, \$53,095; Marion County—13.10 mi. grading, draining, gravel surfacing, Hamilton to Mississippi State line, Bessemer Engineering and Construction Co., \$165,312; timber and conc. bridges, B. C. George, Corinth, Miss., \$12,457.

In Walker County—12.05 mi. Jasper to Double Springs, L. C. Britton, \$65,998; conc. bridges, \$21,015; Talladega and Calhoun Counties—13.54 mi. Lincoln to Anniston, Cox & Bryson, \$138,558; conc. bridges, Bosworth Smith Co., \$18,210; St. Clair and Talladega Counties—7.75 mi., Pell City to Lincoln, H. N. Donohoo, \$58,468; conc. bridges, Bosworth Smith Co., \$29,608; Cleburne County—16.85 mi., Heflin to Georgia State line, Sutton Brothers, Atlantic Natl. Bank Bldg., Jacksonville, Fla., \$225,392; conc. bridges, J. B. McCrary Co., Atlanta, Ga., \$31,194; Clarke County—6.89 mi., Fulton to Grove Hill, Gillis Construction Co., \$31,978; timber and conc. bridges, Gaston & Garrish; Dallas County—11.65 mi., Safford to Brown's, W. J. Bryson, \$80,956; timber and conc. bridges, Lamb & McLemore, \$26,421; Russell County—17.40 mi., Seale to Barbour County line, W. Z. Williams, Sycamore, Ga., \$91,867; timber and conc. bridges, Bosworth Smith Co., \$13,850.

In Cullman and Marshall Counties—22.50 mi. grading, draining, Cullman to Gunterville, J. B. Tirner, \$111,791; conc. bridges, Atlantic Bridge Co., Box 662, Greensboro, N. C., \$53,196; Dale County—½ mi. cement conc. in Ozark Town of Ozark, \$8484; Talladega County—1.15 mi. limestone asphalt on conc. base, in Sylcauga, Town of Sylcauga, \$18,216. Bridges: Tuscaloosa County—overhead crossing, Bessemer to Woodstock, and Bessemer to Tuscaloosa, Rovec Kershaw, \$29,277; Pickens County—bridges on road, between Reform and Lamar County line, Morgan-Hill Paving Co., Woodward Bldg., Birmingham, \$26,501; Lamar County—bridges on Millport to Kennedy Highway, Lamb & McLemore, \$36,630; Autauga County—bridges on Autauga to Selma road, W. E. Martin, \$33,750; Butler County—conc. and timber bridges Greenville to McKenzie road, Ed. Pettus, \$30,687; Baldwin County—cement and timber bridges, Ray Minette to Stockton, Cox & Bryson, \$19,767.

6-28, 7-5, 7-12
Ala., Birmingham—City Comm., let contracts totaling \$181,655, for grading, sidewalks, granite and conc. curb, combined curb and gutter, paving, drainage, etc. 26 Improvement Ordinances: Morgan-Hill Paving Co., Woodward Bldg.; Wesco Co.; Christie-Hutchinson & Burton; Newell Contracting Co., Martin Bldg.; H. N. Bowdry, Alabama Power Bldg.; Fromhold Concrete Co.; Sanitary Sewers: C. M. Owens & Co.; A. H. Dimijian, Woodward Bldg. 7-19

Ala., Jasper—Walker County Bd. of Revenue, E. W. Long, Probate Judge, let contract to Morgan-Hill Paving Co., Woodward Bldg., Birmingham, \$20,000, for 1 mi. conc. paving, Jasper to Parrish Highway. 7-12

Ala., Mobile—E. P. Toulmin, Toulminville, Ala., has contract for grading, etc., 1 mi. 18-ft. road, Telegraph road to site of International Paper Co.'s plant, \$10,500. 7-26

Ark., Prescott—Arkansas General Contract-

ing Co., Prescott, has contract, \$50,893, for 19,000 sq. yd. grading and rein. conc. paving, Improvement Dist. 5.

D. C., Washington—Dist. Commrs. let contract to Latimer & Maloney, 17th and Holly St., N. W., Washington, 45 cents per cu. yd. for street grading.

Fla., Dade City—Pasco County let contract to L. B. McLeod Construction Co., 416 Tampa St., Tampa, \$175,000, for road in Greenfield Special Road and Bridge Dist., subject to dismissal of injunction now pending.

Fla., Miami—Dade County Commrs. let contract to J. E. Burr, 526 Navane Ave., \$34,156, to extend Red Road, from Miami canal, Hialeah to Orange Glade road.

Kentucky—State Highway Comm., Frankfort, let contracts for 2 roads: Larue County—5.168 mi. traffic-bound macad., Buffalo-Greensburg road, Mason Construction Co., West Point, \$23,159; Metcalfe County—6.686 mi. traffic-bound macad., Glasgow-Burkesville road, J. F. Pace Construction Co., Marrowbone, Ky., \$29,432.

Ky., Glasgow—Raymond Construction Co., Bowling Green, has contract, \$54,840, for 1½ mi. street paving.

Ky., Louisville—Bd. of Public Works let contracts, totaling \$126,763 for improvement on 15 streets; Henry Bickel Co., 413 Garden St., \$35,328; Frank G. Breslin, \$51,054; Louisville Asphalt Co., Floyd and Lee Sts., \$21,735; George M. Eady Co., Gilbert and Lee Sts., \$12,853; Andrews Asphalt Paving Co., Inter-Southern Bldg., \$18,782.

Md., Baltimore—Bd. of Estimates approved extension of contract of American Paving & Contracting Co., Montebello Ave. and Jenkins Lane, to include covering roadway of Cedar Ave. Bridge with 1-in. binder and 1-in. topping at \$1.48 per sq. yd.

Md., Baltimore—City, Bd. of Awards, let contract to Ward & O'Connell, 3114 Presbury St., \$41,589, for 17,700 sq. yd. cement conc. paving, conc. base, streets in Cont. 470, 13,500 lin. ft. unarmored conc. curb, \$800 cu. yd. excavation. 7-5

Md., Rockville—State Roads Comm., Baltimore, let contract for 4 roads, Montgomery County; 1.99 mi. Germantown toward Urbana pike and Dawsonville, L. R. Waesche & Son, Thurmont, \$36,592; .90 mi. Old Germantown road toward Darnestown, M. J. Grove Lime Co., Lime Kiln, \$19,940.

Miss., Hattiesburg—City, B. D. Moore, Mayor, let contract to E. A. Finch Paving Co., Citizens Bank Bldg., Hattiesburg, to hard surface 1 mi. street, including Twenty-second Ave., Camp and O'Ferrall Sts., all in Park Haven; West Fifth St., 75 cents per sq. yd. for conc. base, 95 cents per sq. yd. asphalt top, 35 cents per lin. ft. curbing, 40 cents per cu. yd. for excavation. 7-5

Miss., Mendenhall—State Highway Dept., Jackson, let contract to Newsom Bros., Columbia, \$26,543, for 1,612 mi. grading, graveling and bridge on Jackson-Gulfport road. 6-21

Mo., Clayton—St. Louis County, Roy Jablonsky, Engr., let contract to J. L. Moss, 1906 North & South Road, \$5864, for Fox Creek road; Ansburo & McGuire, 211 Title Guaranty Bldg., \$7300, for Fee Fee road. 6-28

Mo., Farmington—City, M. C. Spauld, Clk., let contract to Hannibal Contracting Co., Hannibal, \$20,932, for vibrated conc. paving.

Okla., Chickasha—City, C. A. Chincholl, Clk., let contract to Ward-Beekman & Co., Oklahoma City, \$7,200, for 2,176-yd. 6-in. plain conc. paving, Dist. 40.

Tenn., Johnson City—City Comm. let contract to Southeastern Paving and Construction Co., Johnson City, for paving and general improvement in 7 districts, \$30,000.

Tex., Fort Stockton—City, R. D. Blaydes, Mayor, let contract to Brown & Root, Austin, \$70,000, for 30,000 yd. asphalt, rock base paving.

Tex., Kermit—Winkler County let contract to L. W. Pelphrey & Co., Breckenridge, \$426,163, for 12 mi. 1½-in. sheet asphalt paving.

Tex., Pampa—Stuckey Construction Co., Pampa and Wichita Falls, has contract to pave 27 blocks of streets with 5 and 6-in. vitrolithic paving.

Tex., San Antonio—City, C. M. Chambers, Mayor, let contract to Uvalde Rock Asphalt Co., 1128 Mesquite St., \$26,401, to improve Fredericksburg road; to Alamo Paving Co., 321 Dawson St., \$6454, for Grand Ave. 7-12

Va., Petersburg—McGuire & Rolfe, Electric Bldg., Richmond, have contract for asphalt surfacing, Petersburg-Hopewell Highway; sublet contract to Southern Construction Co.,

216 N. Sycamore St., Petersburg, for grading, pipe connections and conc. base. 6-7

Va., Roanoke—City, W. P. Hunter, Mgr., let contracts totaling \$93,750, for 22 street projects, including penetration macad. paving, grading, curbing, sidewalks, widening, etc.; Marshall & Hudgins; J. R. Vaughn & Co., 210½ Jefferson St., S.; S. B. Bennington & Son, 1101 Campbell Ave., S. E.; Campbell & Peters, Tinsley Construction Co.

W. Va., Clarksburg—Harrison County Court let contracts, totaling \$56,964, for 4 roads: 1.5 mi. stone base, Jack Run road, Eagle Dist.; Paul S. Hornor Co., Goff Bldg., \$12,247; ½ mi. grading, draining, stone base, Dola-Shinn's road, Thompson & Ashcraft, Wallace, \$8908; 1 mi. grading, rebuilding, resurfacing, Jacob's Run road out of Salem, Roy C. Keyes, Salem, \$13,115; 1 mi. grading, draining, stone base, Flinderation road, Tenmile Dist., Salem Bridge & Construction Co., Salem, \$12,694. 7-5

W. Va., Weston—Frank Cirigliano has contract to improve various streets with conc. and brick; Pratt Ave., North Weston; Arnold, Seventh and First Sts.

Sewer Construction

Sewer construction in LAND DEVELOPMENT projects involves the expenditure of large sums of money. Under that classification details of these improvements are reported.

Ala., Birmingham—See Roads, Streets, Paving.

Ark., Fayetteville—C. E. Pierce has contract at \$57,545 for sewerage disposal plant. 6-21

Ala., York—Town receives bids Aug. 14 for sanitary sewers. See Want Section—Bids Asked.

Ark., Lonoke—See Water Works.

Ark., Pine Bluff—R. E. Mann, 1901 W. 12th St., and associates interested in forming \$50,000 sewer district.

Ark., Sheridan—Sewer Impv. Dist. No. 1 has preliminary plans for sanitary sewer system; A. W. Buford, Dist. Engr.

Fla., Tampa—City has plans for \$45,000 storm sewer in Florida and Comanche Aves. as part of \$125,000 drainage project in Seminole district.

Ga., LaGrange—See Roads, Streets, Paving.

La., Baton Rouge—East Baton Rouge Parish Police Jury, F. A. Woods, Sec., receives bids Aug. 14 for sewer work in sub-road district I U (Edgewood Lawn).

La., Opelousas—Janes Contracting Co., 805 Trunk St., Dallas, Tex., has contract for sewerage system, cost \$75,000, and enlargement to sewage disposal plant, cost \$25,000.

Miss., Columbia—See Roads, Streets, Paving.

Miss., Eupora—Bd. of Alderman receives bids Aug. 7 for storm sewers; M. L. Culley, Engr., First Natl. Bank Bldg., Jackson.

Mo., Kansas City—T. P. Thompson, 3908 Forest Ave., has contract for sewers, Dist. 601.

Mo., St. Louis—Bd. of Public Service soon receive bids for building rein. conc. lined open flood channel for River Des Peres project, Sec. H; W. W. Horner, City Hall, Engr. 6-14

Mo., St. Louis—Bd. of Public Service, receives bids Aug. 14 for sewers. See Want Section—Bids Asked.

N. C., Jamestown—Guilford County Sanatorium, Dr. Joseph L. Spruill, Supt., plans connecting water supply system of sanitarium with High Point city mains and constructing central sewerage system; soon call bids.

Okla., Beaver—City, A. L. Kimball, Mayor, plans \$25,000 sewers.

Okla., Blackwell—City has preliminary plans for 4 mile sewers in Tollivers Addition; W. R. Ritzhaupt, Engr. 6-28

Okla., Buffalo—City, E. E. Kemp, Mayor, plans \$25,000 sewers.

Okla., Chickasha—Tibey Construction Co., Braniff Bldg., Oklahoma City, has contract for vit. conc. pipe for sanitary sewer in Dist. No. 65.

Okla., Hinton—City voted \$25,000 sewer bonds. 7-19

Okla., Kingfisher—City plans \$26,000 sewer extension; A. Lindsay, Engr.

Okla., Maud—V. V. Long & Co., Engr., 1300 Colcord Bldg., Oklahoma City, prepar-

ing plans for sanitary sewers in Villines Addition.

Okla., Oklahoma City—W. B. Carter, 7 N. Rockford St., Tulsa, has contract for conc. sewer in Markland St.

Okla., Oklahoma City—See Roads, Streets, Paving.

S. C., Spartanburg—Powell Knitting Co. let contract to McClelland Co., Wilder Bldg., Charlotte, N. C., for water and sewer installation; Lockwood, Greene & Co., Engrs., Spartanburg.

Tenn., Nashville—Bd. of Public Works construct 15-in. clay pipe sewer between Carolina and Waldrich Aves.

Tex., Aransas Pass—City voted \$46,000 sewer bonds.

Tex., Dilley—City voted \$35,000 sewer bonds. 7-12

Tex., Houston—C. K. Horton, 2202 Clay Ave., has contract at \$32,526 for sanitary and storm sewer, Taum St. and Dennis Ave.

Tex., Houston—City votes Aug. 25 on \$200,000 sewer bonds. See Financial News.

Tex., Waco—City voted storm sewer bonds. 6-28

Va., Ettrick—Board of Supervisors, Chesterfield County, receives bids Aug. 20 for sanitary sewerage system and water works. See Want Section—Bids Asked.

Shipbuilding Plants

Md., Salisbury—Salisbury Shipbuilding Co., capital \$50,000, incorporated; Ralph H. Grier, Charles T. Fisher; will reopen former Smith & Williams shipbuilding plant.

Telephone Systems

La., New Orleans—Southern Bell Telephone & Telegraph Co., Atlanta, Ga., expend \$20,000 for remodeling building, Baronne St.; Mayer Alger & Vinour, Architects, Walton Bldg.; Barge-Thompson Co., 136 Ellis St., N. E., both Atlanta, Ga.

Missouri—Ozark Central Telephone Co., St. Louis, applied to State Public Service Comm., Jefferson City, for permission to acquire from Peoples' Telephone Co. local exchanges and rural toll lines at Vienna, Maries County, and Argyle, Osage County; and from Texas County Telephone Co. exchanges at Licking, Houston and Cabool.

N. C., Charlotte—Southern Bell & Telegraph Co., Inc., F. M. Craft, Ch. Engr., Atlanta, Ga., soon begin constructing telephone building; 4 stories and basement, 84x177 ft., with structural framework capable of carrying 4 additional stories; rein. conc.; approximate cost of building, equipment, etc., \$450,000; Marye, Alger & Vinour, Architects, 801 Walton Bldg.; Barge-Thompson Co., 136 Ellis St., both Atlanta, Ga.; Western Electric Co., will furnish telephone equipment.

Okla., Cordell—Southwestern Bell Telephone Co., main office, St. Louis, erect building; 1 story, 32x45 ft., brick; comp. roof.

Textile Mills

Ga., Rome—American Chatillon Corp., Room 1115, 393 Seventh Ave., New York, reported, having plans prepared by Lockwood, Greene & Co., Engrs., 1 Pershing Sq., New York, for second unit of rayon plant; steel brick walls; plans probably ready for distribution Aug. 10. 7-26

Ga., Scottdale—Norwood Griffin Co., Bona Allen Bldg., Atlanta, has contract for 2 story extension for Scottdale Mills; 249x104 ft.; plank on steel beams with tar and gravel roof; American Merstening Co., Providence, R. I., lundifiers, General Electric Co., Schenectady, N. Y., meters and other electrical equipment, S. E. Sirrine & Co., Engrs., Greenville. 7-19

Ga., Thomaston—Thomaston Bleachery, Julian Hightower, Mgr., considering installing piece dyeing equipment for dyeing sheetings manufactured by Thomaston Mills.

Ky., Paducah—Clausner Hosiery Mill Co. let contract to Lockwood & Gasser, 208 S. Fourth St., for erecting \$20,000 dyeing plant, plumbing, heating and wiring included; 70x50 ft.; comp. built-up roof; steel sash.

Miss., Meridian—Rountree Cotton Mills, Inc., plans \$60,000 improvement and extension to buildings and equipment; manufacture denims, chambrays, etc.

N. C., Charlotte—Morehead Woolen Mills Co., John L. Morehead, Pres., 121 Ranson Pl., reported, erect blanket and woolen mill at Homestead Station. 6-7

N. C., Scotland Neck—A. McDowell, R. A. Phillips, interested in establishment of textile mill by Northern capitalists.

S. C., Chesnee—Grier-Lowrance Construction Co., Inc., Statesville, general contractor

for Chesnee Mills, let contract to Virginia Bridge & Iron Co., Roanoke, Va., for struct. steel; Piedmont Wood Preserving Co., Augusta, Ga., for lumber; Frank B. Ingold Co., Hickory, N. C., for roofing; Lockwood, Greene & Co., Engrs., Charlotte, N. C. 7-26

S. C., Spartanburg—See Sewer Construction.

S. C., Whitmire—Contractors estimating on 4-story addition to main building of Aragon-Baldwin Cotton Mills, Inc., are: Burns-Hammond Const. Co., Jefferson Standard Bldg.; B. W. Bartholomew and South-eastern Construction Co., all of Greensboro; Carolina Construction Co., Fiske-Carter Construction Co., Masonic Temple Bldg.; Gallivan Building Co., Gallivan Bldg.; Potter & Shackelford, Inc., Allen Bldg.; Morris-McKoy Building Co., Finlay Bldg., all of Greenville; J. A. Gardner, 211½ N. Tryon St., Charlotte, N. C.; bids opened Aug. 7. 7-26

Tenn., Chattanooga—Alton Park Hosiery Mills, capital \$50,000, incorporated; H. T. Bryan, Sr., Tarboro, N. C.; A. M. Bryan, Chattanooga; erect first unit of full fashioned hosiery mill; install Reading 42-gauge full fashion machines. 7-19

Tenn., McMinnville—Welwood Silk Mills, Inc., 2 Park Ave., New York City, leased building and will establish 20,000 spindle silk throwing plant; output will be used to supply silk to about 20 broad silk and ribbon plants of company, operating in Pennsylvania and New Jersey.

Va., Bedford—Bedford-Johnson Co., Inc., Lynchburg Mfg. Div., Lynchburg, let contract to Auto-Service & Electric Corp. for wiring woolen mill. 6-21

Va., Covington—Following contractors estimating on plant, bids opened Aug. 6, for Industrial Rayon Corp., 98th St. and Wal-ford Rd., Cleveland, Ohio, consisting of storage warehouse, main manufacturing plant and power plant: Hunkin-Conkey Construction Co., George A. Rutherford Co. (Mr. Clark), 2725 Prospect St., Crowell & Little Construction Co., Hanna Bldg., Craig-Curtis Co., 4614 Prospect St., Lundoff-Bicknell Co., Keith Bldg., H. K. Ferguson Co., Hanna Bldg., all Cleveland, Ohio; Stone & Webster, Inc., 120 Broadway, James Stewart & Co., Inc., Natl. City Bldg., The Foundation Co., 120 Liberty St., Starrett Brothers, 103 Park Place, all New York; John T. Wilson Co., 606 E. Grace St., Richmond, Va.; Fiske-Carter Construction Co., Masonic Temple Bldg., Greenville, S. C.; John W. Cowper Co., Fidelity Bldg., Buffalo, N. Y., and Healey Bldg., Atlanta, Ga.; L. W. Hancock, Louisville Tr Bldg., Louisville, Ky.; J. E. Sirrine & Co., Engrs., Greenville, S. C. 7-26

W. Va., Burnsville—J. W. Ronch and associates, reported, plans establishing weaving mill.

Water Works

Details of water works improvements in connection with the many LAND DEVELOPMENT operations will be found under that classification.

Ark., Forest City—Forrest City Light and Water Co., will extend water mains on N. Washington and N. Izard Sts.

Ark., Helena—North American Water Works Corp., 11 Broadway, New York, let contract to Chicago Bridge and Iron Works, Old Colony Bldg., Chicago, for 250,000 gal. elevated tank at West Helena water works; install 120 h. p. Diesel engine with compressor and pump; work by company's forces; E. F. Byerley, Local Mgr. 7-12

Ark., Lonoke—City plans installing water and sewer system; W. Terry Field, Gazette Bldg., Little Rock, Engr.

Ark., Sheridan—Sheridan Water Co., care Kay Davis, has franchise for water system, lay 8000 ft. standard centrifugal c. i. pipe, iron service mains, etc.; begin work by Aug. 12.

Fla., Boca Raton—City receives bids Aug. 15 for water treatment plant. See Want Section—Bids Asked.

Fla., Fort Lauderdale—American Water-works and Electric Corp., 50 Broad St., New York, reported, negotiating for water works.

Fla., Hollywood—City plans voting on \$250,000 water works bonds. See Financial News.

Fla., Tampa—Horace H. Case, associate of Nicholas H. Hill, designer of pumping station, recommended installation of aerator.

Ga., Jackson—Pepperton Cotton Mills closed contract with city for extension of city water mains to serve plant and village.

La., Bossier City—City of Shreveport will extend water lines, supply town and plant of Louisiana Oil Refining Corp. with water; cost of installation \$26,100.

La., Lafayette—Louisiana Public Utilities Co., operating subsidiary of Gannett, Seelye & Fleming, Inc., Harrisburg, Pa., negotiating for 10 yr. lease of water and light plant.

La., New Orleans—Sewerage and Water Bd. receives bids until Sept. 6 for one 15,000 kw. turbine and pumps for drainage system.

Md., Baltimore—J. B. McHugh, 3716 Sequoia Ave., has contract for water mains Lake Ave. from Sherwood Ave. to Hillen Rd. 6-21

Miss., Eupora—B. E. Walker, 183 Glen Mary St., Jackson, has contract at \$11,000 for filtration plant; International Filter Co., Chicago, Ill., for filter equipment. M. L. Culley, Engr., 204 Lamton Bldg., Jackson. 7-12

Miss., Wesson—Town receives bids Aug. 13 for water supply system. See Want Section—Bids Asked.

Mo., Bismarck—City votes Sept. 11 on \$47,000 bonds for water works; Russell & Axon, 1945 Railway Exchange Bldg., St. Louis, Conslt. Engrs.

Mo., California—City plans installing water and sewer system; votes Aug. 13 on \$30,000 bonds; Russell & Axon, 1945 Ry. Exchange Bldg., St. Louis, Conslt. Engrs. 6-7

Mo., St. Louis—Bd. of Public Service receives bids Aug. 8 to furnish material and construct 2 sludge pump houses at St. Louis water works at Howard Bend on Missouri River.

N. C., High Point—R. G. Lassiter & Co., Citizens Bk. Bldg., low bidders for proposed water and sewer improvement. 7-19

Okla., May—City, H. Thom, Mayor, plans \$17,000 water works improvements.

Okla., Sasakwa—City plans water works system, including tank and tower; Milliken & Whiteneck, Engrs., 312 S. W. Natl. Bank Bldg., Oklahoma City. 6-7

Tenn., Athens—Detwiler & Co., Inc., Investment Bankers, 11 Broadway, New York, acquired Englewood Water Co.

Tenn., Nashville—Radnor Water Co., Inc., J. W. Russwurm, Cumberland Park, construct 8-in. main from city water system to supply Flat Rock and Radnor Heights.

Tenn., Nashville—John A. Mefford, 2616 W. Ashwood Ave., let contract to W. L. Halley & Co., 314 42nd Ave., N., at \$55,000 for laying 4 miles of 8-in. water main in Franklin Rd.

Tex., Beaumont—Peoples Light and Power Corp., E. C. Deal, Pres., 27 William St., New York, plans improvement to lately acquired plant of Neches Water Co. 7-26

Tex., Brownsville—Dayton-Dowd Co., Quincy, Ill., has contract for pumping unit at Villa Nueva near here for Water Improvement, Dist. No. 6; W. E. Anderson, Engr., San Benito.

Tex., Lott—City votes Aug. 7 on \$32,000 water works bonds.

Tex., Mercedes—Central Power & Light Co., Frost Natl. Bk. Bldg., San Antonio, will enlarge filtration plant; increase capacity 600,000 gals. daily; install 2 filters and 2 coagulators, cost \$20,000.

Tex., San Antonio—City, Fred Fries, Clk., receives bids Aug. 6 for drift boom at Olmos Dam; Col. S. F. Crecellus, Flood Prevention Engr.

Va., Ettrick—Board of Supervisors, Chesterfield County, receives bids Aug. 20 for water works and sanitary sewerage system. See Want Section—Bids Asked.

Va., Purcellville—Town voted \$30,000 water works bonds; receives bids Aug. 15 for gravity system of water works; Ambler Engr. Co., Richmond. See Want Section. 7-12

Woodworking Plants

La., Franklin—Boudreaux Furniture Co., Inc., capital \$25,000, chartered; E. A. Boudreaux, P. W. Boudreaux.

La., Roseland—Stockholders of Roseland Box Co., Inc., voted to increase common stock of company \$250,000 to \$300,000.

Tenn., Memphis—Memphis Harwood Flooring Co., 181 N. Mallory St., increased capital, \$200,000 to \$500,000.

Tex., Dallas—Peck & Hills Furniture Co., 2300 S. Harwood St., erect mezzanine floor and remodel building, S. Harwood St.; cost \$10,000.

FIRE DAMAGE

Ark., Camden—Camden Overland Co.'s building, owned by Snow Estate; loss \$15,000; Frank Phillips Department Store owned by L. E. Bellingrath, Pine Bluff; loss \$8000.

Ark., Newport—L. U. Umsted garage, Second St.; loss \$10,000.

Ark., Warren—Teibel Building, Court Square; loss \$24,800; occupied by Sanitary bakery, and others.

Ga., Savannah—Tart Cooperage Co.'s plant; loss \$15,000.

Ky., Louisville—J. G. McCrory Five and Ten Cent Store, 428-32 S. 4th St., owned by Ella T. Welsh Estate, Danville, Ky., handled by Louisville Trust Co.; loss \$100,000.

Ky., Louisville—Progress Paint Mfg. Co.'s building, 630 W. Main St.; loss \$30,000; Dr. J. T. Heffernan, owner, Jellico, Tenn.

Miss., Clarksdale—Tuttle Hotel; loss \$10,000.

Miss., Rosedale—Three tanks and office building of Standard Oil Co.

N. C., Leaksville—Flour and corn mill of Moore Milling Co.; loss \$75,000.

Tenn., Nashville—Administration building, Central State Hospital for Insane near Nashville, Dr. W. S. Framer, Supt., loss \$250,000.

Tex., Beaumont—Tony N. Tortoris' warehouse in Jefferson alley, occupied by Union Furniture Co.; loss \$15,000.

Tex., Brownwood—McCullough Wholesale Grocery Co.'s store, owned by W. W. McCullough, L. B. Young and others; loss \$70,000. Incorrectly reported at Tex., Tyler. 7-26

Va., Leesburg—J. T. Hirst's lumber yard; loss \$50,000.

Va., Norfolk—Magazine No. 19, Naval ammunition depot, St. Juliens Creek, Va.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ala., Jasper—American Legion, F. M. Buck Long, Post Commdr. elect, plans clubhouse.

Ky., Princeton—Benevolent Protective Order of Elks, J. C. Poole, Chmn., Bldg. Comm., about ready for bids on \$100,000 bldg.; bids to be in about Aug. 25; brick, Algonite stone trim, 2 stories, 95x80 ft., steel sash, tar and gravel roof, steam heat; G. Tandy Smith, Archt., Guthrie Bldg., Paducah. 5-10

Tex., Waco—Labor Temple Assn., L. D. Wade, Pres., erect \$50,000 bldg., Seventh and Washington Sts.; 2 stories; probably start work in Oct.

Va., Petersburg—Knights of Pythias Building Corp., Guy Weeks, Chmn., Bldg. Comm., let contract to E. L. Bass, 14 Law Bldg., to raze structure on site of professional office and lodge building, Franklin and Adams Sts.; fireproof, 5 or more stories, 95x105 ft., wood floors, brick or conc. foundation, built-up roof; S. Daley Craig, Archt., Natl. Bank Bldg. 3-1

Bank and Office

D. C., Washington—Franklin National Bank, Thos. P. Hickman, Vice-Pres.-Cashr., enlarge and remodel branch bank, Connecticut Ave.; \$100,000; safe deposit and security vaults, storage vault, marble front; Maj. Geo. Oakley Totten, Jr., Archt., 808 17th St.; O. Harvey Miller, Asso. Archt., McLachlen Bldg.

Fla., Tampa—W. A. Binnio, 311 E. Seventh St., reported, erect \$300,000 Medical Arts Bldg.; brick and rein. conc., 10 stories; 5 stories on first floor; Schumacher & Winkler, Archts., Telephone Exch. Bldg.

N. C., Durham—Union Professional Building Corp., R. E. Dillard, Pres., receives new bids August 20 for \$500,000 Medical Arts Building; steel frame, tile floor constr., 10 stories, 92x98 ft., conc. rough floors, conc. foundation, built-up roof, vapor coat, compressed air, gas, 3 elevators, X-ray equipment; Matthews H. Tardy, Archt., Macon, Ga.; Robt. S. Fliske, Engr., Hesley Bldg., Atlanta, Ga.; following contractors requested to figure: Turner Construction Co., Graybar Bldg.; Foundation Co., 120 Liberty St.; James Baird Co., 101 Park Ave., all New York; Seaboard and Southern Construction Co., 101 Marietta Bldg., Atlanta. 1-12

N. C., Raleigh—Raleigh Banking and Trust Co., W. B. Drake, Pres., erect 8 additional stories to 3-story bank building, Fayetteville and Hargett Sts.; limestone; 66x114 ft., 32,000 sq. ft. floor space; also erect 60x24-ft. limestone bank building, Hargett and Salisbury Sts., for Mechanics Savings Bank, affiliated with Raleigh Banking and Trust Co., and remodel and probably enlarge present Mechanics building for store; total \$300,000 to \$400,000; call for bids within 30 days for the 8 additional floors.

N. C., Winston-Salem—J. F. Smithdeal (lately noted J. F. Smith Co.), erect \$150,000 store and office building; steel frame, brick, 3 stories, 47x97.6 ft., linoleum and tile floors, Grade A comp. roof. Address C. G. Henninger Co., Archt., 404 Farmers Natl. Bank Bldg. See Want Section—Building Material and Equipment. 7-26

Tenn., Memphis—Wyatt C. Hedrick, Archt., First Nat'l Bk. Bldg., Fort Worth, Tex., and Post-Dispatch Bldg., Houston, Tex., has low bid for \$2,500,000 Sterick Bldg., Madison Ave. and Third St., from Bellows-MacLay Construction Co., Dallas, Tex.; company to erect structure called Third and Madison Co., Mr. Hedrick, president and owner. 7-12

Tenn., Memphis—First National Bank and Trust Co., S. E. Ragland, Pres., remodel and erect addition to building, Madison Ave. and Second St.; brick, steel, stone; Jones & Furbringer, Archts., Porter Bldg.

Tex., Dallas—American Exchange National Bank, Paul Danna, Vice-Pres., let contract for steel constr. for 6-story and basement addition to Mosher Steel and Machinery Co., Maple Road; general bids Aug. 7: \$350,000, structure brick, hollow tile, struct. steel, rein. conc., Indiana limestone, cement, wood and tile floors, granite and marble, metal lath, metal windows; separate bids for plumbing, heating and ventilating, elect. work, elevators and fixtures; Lang & Wittchell, Archts., Amer. Exch. Bank Bldg. 4-12

Tex., Houston—Hedrick & Gottlieb, Archts., 2008 Post-Dispatch Bldg., reported, soon receive bids for theatre and office bldg. for Houston Theatre Corp.; \$2,350,000. See Buildings Proposed—Theaters.

Churches

Ala., Haleyville—Methodist Church, O. McConnell, Sec., Bldg. Comm., erect \$30,000 building; Gothic type, face brick, steel trusses, pine and conc. floors, asbestos shingle roof; auditorium seat 650, basement, Sunday school; G. T. Reid, Archt., Corinth, Miss. 7-12

Ark., El Dorado—First Christian Church, Rev. Ira A. Kirk, Pastor, erect \$60,000 bldg., Champagnolle and Madison Sts.; Eugene John Stern, Archt., A. O. U. W. Bldg., Little Rock. 2-23

Ky., Louisville—Messick Memorial and West Broadway M. E. Churches, South, having plans drawn by Harvey M. King, Archt., Bd. of Extension of M. E. Church, South, Louisville, for \$150,000 building, site of former church, 3620 W. Broadway. 5-24

Ky., Mayfield—First Church of Christ, Scientist, erect \$30,000 face brick addition; 2 stories and basement, struct. steel, built-up comp. roof, steam heat; G. Tandy Smith, Archt., Guthrie Bldg., Paducah; bids Aug. 1.

La., Opelousas—Temple Emanuel, M. Winsberg, Pres., has low bid at \$13,200 from N. J. Guidry, Opelousas, for synagogue; Herman J. Duncan, Archt., 120 Murray St., Alexandria. 7-5

Miss., Laurel—Church of Immaculate Conception erect \$35,000 building; 1 story and basement, rein. conc. foundation, tile and comp. roof, warm a'r heat, steel work; R. C. Springer, Archt., Rosenbaum Bldg., Meridian; bids about 60 days.

Miss., Meridian—First Presbyterian Church erect \$30,000 young people's building; brick, 2 stories; P. J. Krouse, Archt., M. & W. Bldg.

Miss., Vicksburg—First Presbyterian Church receives bids Aug. 16 for alterations and 3-story Sunday school; \$25,000; R. H. Hunt Co., Archt., James Bldg., Chattanooga, Tenn.; following contractors estimating:

W. J. McGee & Son, Lamar Bldg.; W. G. Wetmore Construction Co., 416 Lampton Bldg., both Jackson, Miss.; E. W. Pendergraft & Son, Merchants Nat'l Bk. Bldg.; R. W. Boul, Adams St.; R. B. Howard, 2404 Cherry St.; R. E. Jordan, Merchants Nat'l Bk. Bldg., all Vicksburg; C. E. Andrews, Ruston, La.; W. C. Sailey, Ouachita Nat'l Bk. Bldg., Monroe, La. Address U. G. Flowers, Chmn., Vicksburg. 7-12

Mo., Bethesda—Central Methodist Church, W. A. Zellers, Chmn., Bldg. Comm., Leeland, plans \$100,000 church and Sunday school, Edgemoor Lane near Rockville Pike; brick, 1 story; R. E. Mitchell, Archt., Barr Bldg., Washington, D. C.

Mo., Kansas City—Central Bible Hall, care A. Leischman, 3504 Gilham St., erect \$40,000 bldg., 31st Terrace and Walnut St.; stone, 2 stories; H. C. Eckland, Archt., Finance Bldg.

Mo., Springfield—First Presbyterian Church, F. M. McDavid, Chmn., Bldg. Comm., start work in about 6 weeks on \$160,000 building.

Okla., Oklahoma City—Olivet Baptist Church soon ready for bids on Sunday school; \$70,000, brick and stone, 3 stories and basement, 55x120 ft.; comp. roof, steam heat; Harry Reynolds and Martin Lawrence, 322 E. Ninth St., Asso. Archts. 5-3

Okla., Tulsa—Grace Methodist Church and University Methodist Church combined; erect bldg., Fifth St. and College Ave. Address The Pastor.

Tenn., Ducktown—Methodist Episcopal Church, South, erect building. Address The Pastor.

Tex., Cuero—Methodist Episcopal Church, South, receives bids Aug. 7 at office Paul G. Silber & Co., Archts., Bedell Bldg., San Antonio, for remodeling and addition to bldg.; \$15,000, 2 stories, conc. and hardwood floors, asbestos slate roof. See Want Section—Building Material and Equipment. 7-26

Tex., Houston—St. Pauls Methodist Church, W. W. Fondren, Chmn., Bldg. Comm., probably call for bids within 10 days for \$600,000 building, Calumet Drive, Main, Fannin and Binz Sts.; Alfred C. Flinn, Archt., Bankers Mortgage Bldg. 3-8

Tex., Houston—Mexican Baptist Mission, Mrs. E. Creckmore, Pres., erect building, off Navigation Blvd., Factory Addition.

Tex., Houston—Congregation Pedife Shalom erect \$15,000 brick veneer synagogue, 1202 Maury St.

Tex., McAllen—Methodist Church, Rev. Grady Timmons, Pastor, receives bids Aug. 6 for brick, hollow tile and conc. building; 2 stories and balcony, 94x134 ft., wood joists and floor; Robt. L. Vogler, Archt., Lipscomb Bldg., Edinburg. 7-19

Tex., Ozona—Baptist Church, Rev. M. M. Fulmer, Pastor, erect \$30,000 building; auditorium and basement, brick, tile and stone; Will N. Noonan Co., Archt., Bldrs. Exch. Bldg., San Antonio.

Tex., Seguin—Emanuel Lutheran Church has low bid at \$29,007 from Henry Weiss, Seguin, for community house; Marvin Eckenrodt & Bartlett Cocke, Archts., Maverick Bldg.; Beretta-Stiles Co., Inc., Const. Struct. Engr., Natl. Bank of Commerce Bldg., both San Antonio. 6-28

City and County

Ala., Mobile—City, Harry T. Hartwell, City Commr., considers erecting \$250,000 museum.

Fla., Hollywood—City, C. B. Moody, Mayor, will vote on \$50,000 bonds to repair beach casino.

Fla., Tampa—Hillsborough County Bd. of Commrs., J. N. Holmes, member, plans fireproof county farm and hospital.

Ga., Atlanta—City Hall Committee of City Council, Howard C. McCutcheon, Chmn., has low bid at \$712,700 from Seaboard and Southern Construction Co., 101 Marietta Bldg., for 15-story city hall; low bid at \$556,240 from Southern Ferro Concrete Co., 70 Ellis St., N. E., for 8-story structure; low bid at \$36,650 from McGaughey Electric Co., 135 Nassau St., N. W., for elect. work; G. Lloyd Preacher & Co., Inc., Archts.-Engrs., Wynne-Claughton Bldg. 7-12

Ky., Lexington—Bd. of City Commrs., Jas. J. O'Brien, Mayor, plans fire station.

La., Homer—City Council plans \$50,000 to \$60,000 city hall; fireproof, 2 stories; Edw. F. Neild, Archt., City Bank Bldg., Shreveport.

La., Metairie—Metairie Ridge Volunteer Fire Dept. erect hollow tile fire engine house, repair shop and meeting hall building; 1 story, conc. and wood floors, comp. roof; Theo. L. Perrier, Archt., Maritime Bldg., New Orleans.

Mo., Frederick—Frederick County Bd. of Commrs. receives bids Aug. 6 for heating plant and plumbing work at jail.

Miss., Brookhaven—Following contractors estimating on Lincoln County jail, bids Aug. 6: W. S. Rutter; L. McDavitt; J. J. Algood, all Brookhaven; Currie & Corley, Raleigh; Massengale & McIntosh, Citizens Bank Bldg.; Oden & Glenn, both Hattiesburg, Miss.; W. J. McGee & Son, Lamar Bldg.; W. G. Wetmore Construction Co., Lampton Bldg.; Westerfield & Weeks, Lamar Bldg., all Jackson, Miss.; M. T. Reed Construction Co., Belzoni, Miss.; C. T. Harris, Durant, Miss.; Geary-Oakes Co., Q. & C. Bldg., New Orleans, La.; Emmett J. Hull, Archt., Merch. Bank Bldg., Jackson. 7-19

Mo., Kansas City—Kansas City Public Libraries, care P. B. Wright, Ninth and Locust Sts., remodel library, Westport Rd. and Wyandotte St.; C. A. Smith, Archt., Finance Bldg.

N. C., Charlotte—Mecklenburg Industrial Home selected Adlai Osborne, Commercial Bk. Bldg., as architect for \$20,000 fireproof building; 1 story, 45x90 ft., conc. foundation, built-up roof. 6-14

N. C., Goldsboro—Wayne County Board of Commrs. probably soon call for bids to remodel courthouse and erect jail; \$260,000; brick, 2 stories and basement; Harry Barton, Archt., Jefferson Standard Bldg., Greensboro. 5-3

Okla., Newkirk—City votes in Aug. on \$35,000 community building bonds. Address City Council.

S. C., Cowpens—Town plans fire station; truck purchased. Address Town Council.

Tenn., Memphis—Shelby County Institutional Comm. probably let contract to B. E. Buffalo & Co., 638 East St., for \$450,000 workhouse, Mullins Station; rein. conc., 1 and 2 stories, conc. floors and foundations, comp. roof; furnishings, equipment, etc., \$50,000; buildings as follows: Male prison, accommodate 500, include administration, infirmary, chapel, lockers, lavatory, guards' room, 200x300 ft.; women's prison, accommodate 100, 150x100 ft.; machine shop, 75x260 ft.; tool and truck storage, 75x26 ft.; commissary, potato storage and refrigeration, 50x15 ft.; above buildings in 15 acres enclosed with 15-ft. conc. wall; following buildings outside: 75-stall dairy, piggery, chicken house, meat house; Harker & Cairns, Archts., 123 S. Court St.; Harry B. Hunter, Engr., U. & P. Bank Bldg.; convict labor. 5-31

Tex., Waco—City voted \$2,000,000 bonds, including \$70,000 for fire alarm headquarters and fire stations, \$225,000 for city hall. 6-28

Va., Norfolk—Norfolk-Portsmouth Chamber of Commerce, G. Leslie Hall, member Auditorium Comm., interested in \$400,000 municipal auditorium.

Va., Richmond—Director of Public Works, R. Keith Compton, receives bids Aug. 6 for stone and brick comfort station, Gamble's Hill Park.

W. Va., Princeton—Mercer County Soldiers and Sailors Memorial receives bids Aug. 11 at office Garry & Sheffy, Archts., Bailey Bldg., Bluefield, for first unit of memorial bldg.; \$72,000, stone and brick, rein. conc. and ordinary type, 2 stories and basement, 105x56 ft., rein. conc., tile and wood floors, conc. foundation, built-up roof. 7-19

Dwellings

Ala., Birmingham—Mrs. S. M. Park, 1418 N. Seventeenth St., erect 2-story residence, Colonial Hills; comp. roof, furnace heat; Denham, Van Keuren & Denham, Archts., Comer Bldg.

Ark., Jonesboro—R. H. Martin erect brick residence, W. Main St.; material on ground.

D. C., Washington—Wenger Bros., Inc., 1627 K St., N. W., have permit for \$20,000 dwelling, 3834 Cathedral Ave., N. W.; 2 stories, brick and tile.

D. C., Washington—H. C. Ball, 912 15th St., N. W., has permit for 8 brick dwellings, 2629 43 Woodley Place, N. W.; 2 stories; \$65,000.

D. C., Washington—Mrs. W. J. Finley, 3525 Davenport St., N. W., has permit for \$20,000 residence, 2825 McGill Terrace, N. W.; brick and tile, 2 stories.

D. C., Washington—Wm. E. Gore, 927 15th St., N. W., has permit for \$18,000 residence, 5545 Potomac Ave., N. W.; brick and tile, 2 stories.

D. C., Washington—Frank B. Mills has permit for 2 brick dwellings, 1645-47 Rose-dale St., N. E.; 2 stories; \$10,000.

D. C., Washington—H. L. Thornton, 6900 Fourth St., N. W., has permit for 2 dwellings, 6600-64 Fifth St., N. W.; brick and conc. block, 2 stories; \$12,000.

D. C., Washington—J. B. Tiffey, 1317 Emerson St., N. W., erect 4 dwellings, 411-17 Oglethorpe St., N. W.; 2 stories, brick and tile; \$26,000.

Fla., Daytona Beach—D. J. Donnelly, Boston, Mass., erect \$35,000 residence and garage; hollow tile, 2 stories, 117x35 ft., wood and tile floors, tile roof, 3 baths; Kiehnel & Elliott, Archts., Seybold Bldg., Miami, Fla.

Fla., Miami Beach—Following contractors invited to bid on residence for J. Van Tuyl Daniels, Chicago, Ill.; Harrison Construction Co., N. E. 45th St.; St. John Co., 629 N. W. Seventh St.; Sandquist & Snow, Inc., Calumet Bldg.; J. B. Orr Co., 147 N. E. Sixth St.; R. G. Witters Co., 1745 S. W. Sixth St.; Chas. S. Ewing Co., 117 N. E. 14th St.; G. N. Smallridge Co., Metropolitan Bldg.; O'Neill-Orr Co., 212 N. E. Fourth St., all Miami; Beach Construction Co., 1327 Twentieth St., Miami Beach; A. Fraser Rose, Archt., 537 Collins Ave., Miami Beach. 7-26

Ga., Atlanta—Thos. Howell Scott, Atlanta Trust Bldg., erect \$45,000 residence, Habersham Rd.; brick and stucco, 2 stories and basement, tile and hardwood floors, slate or tile roof, orna. iron, steam heat; Edwards & Sayward, Archts., 101 Marietta Bldg.

Ga., Canton—E. A. McCannless receives bids about Aug. 11 for fireproof residence; conc. and hollow tile, 2½ stories and basement, hardwood floors, conc. foundation, variegated slate roof; \$20,000; A. Ten Eyck Brown, Archt.; A. Barile, Jr., Asso. Archt., both Forsyth Bldg.; following contractors estimating: Yost Co., Inc., Candler Bldg.; Converse Myers Co.; J. S. McCauley, both Bona Allen Bldg.; A. K. Adams & Co., 542 Plum St., N. W.; Padgett-Sutton Co., Bona Allen Bldg.; Gilbert Beers, Bona Allen Bldg.; Chas. W. Bernhardt, 250 Hunnicutt St., all Atlanta; A. M. Lundberg Co., 208 N. Broadway, St. Louis Md.; E. M. McCannless also receiving bids for residence. See Want Section—Building Material and Equipment. 7-5

Ky., Louisville—Arthur Harris, 216 Citizens Bldg., erect 9 frame dwellings, 900 block Euclid Ave.; \$3500 each.

Ky., Louisville—Willard Raymond erect \$25,000 residence, 3212 Taylor Blvd.; frame, 1½ stories.

Ky., Mayfield—Ed Ligon erect \$15,000 face brick residence; hollow tile, 2 stories and basement, hardwood floors, tile baths, asphalt shingle roof, hot air heat; G. Tandy Smith, Archt., Guthrie Bldg., Paducah.

Ky., Mayfield—Tavius Martin erect \$10,000 face brick veneer residence; 2 stories and basement, hardwood floors, tile baths, asphalt shingle roof, hot air heat; G. Tandy Smith, Archt., Guthrie Bldg., Paducah.

La., New Orleans—L. F. Ronquillo, 6027 Chartres St., erect double cottage, N. Rampart St. near Tricon St.

Mo., Clayton, St. Louis—H. J. Meyer, 5508 Easton St., erect \$10,000 residence, Bellerive Acres; brick, 51x40 ft.

Mo., Kansas City—Mrs. Martha C. Brown-ing, 615 E. 54th St., considers erecting country residence, 95th St., west of Short Line Highway.

Mo., Clayton, St. Louis—Harry F. Thomson, Louderman Bldg., erect cinder block, brick and stone residence, Polo Drive; 2 stories and basement, 48x37 ft.; Trueblood & Graf, Archts., Chemical Bldg., bids in.

N. C., Charlotte—R. W. Dulin, 2007 E. Eighth St., erect \$10,000 residence, E. Sherwood Ave.; frame, 2 stories.

N. C., Winston-Salem—W. A. Lyon, Wood-dale Ave., erect \$15,500 residence and garage, Arbor Road; 8 rooms.

Okla., Hollis—Dr. J. E. Jones erect brick veneer residence; 2 stories and basement, oak floors, asbestos roof; R. B. Perkins, Archt., Altus.

S. C., Union—Mrs. F. H. Garner erect \$25,000 brick veneer and stucco residence; 2 stories and basement, 40x70 ft., irregular shape, hardwood floors, 2 tile baths, clay tile roof, conc. and brick foundation; Jones & Trott, Inc., Archts., Woodside Bldg., Greenville, drawing plans. Address Archts. See Want Section—Building Material and Equipment. 7-26

Tenn., Memphis—Dr. M. C. Fossett, Columbian Mutual Tr. Bldg., plans residence, Walnut Grove Road.

Tenn., Memphis—Emmett Joyner, Bank of Commerce Bldg., erect \$15,000 painted residence, Chickasaw Gardens; 1 story and basement, 57x47 ft., oak floors, 2 tile baths, wood shingle roof; Polk W. Agee, Archt., Fidelity Bank Bldg.

Tex., Fort Worth—Bundock Building Co., erect \$12,500 brick dwelling, 2705 University Place.

Tex., Houston—Howard S. Brainin, State Nat'l Bk. Bldg., Pres., Southwood Corp.,

erect \$30,000 residence, Southwood Addition; brick and hollow tile, 2 stories, 10 rooms, clay tile roof; Percy Pamarrow Turner, Archt.

Tex., Houston—C. Y. Schwartz erect brick veneer residence, West University Place; 1 story; A. B. Harris, Archt., 1603 Post-Dispatch Bldg.; bids in.

Tex., Houston—Howard G. Fields, 6400 Harrisburg Road, erect number dwellings, connection with development, W. Dallas Ave.

Tex., Houston—R. C. Burrows, Post-Dispatch Bldg., Sec., Houston Real Est. Bd., erect English type residence, Devonshire Place; Percy Pamarrow Turner, Archt.

Tex., Houston—Geo. H. Hopper erect 4 one-story frame dwellings, 6200 block Tyne St.; \$10,000.

Tex., Houston—Geo. F. Howard, Pres., San Jacinto Trust Co., erect English type residence, Lakewood section of Braeswood; brick veneer, 2 stories; Harry D. Payne, Archt., Kirby Bldg.

Tex., San Antonio—Guy Borden, care Kelwood Co., Archt., Travis Bldg., erect frame and stucco residence, E. Rosewood St. near McCullough St.; 2 stories, 2 baths.

Va., Richmond—A. L. Sharp, 3006 Monument Ave., erect \$11,500 residence and garage, 4000 Monument Ave.

Government and State

Miss., Greenwood—Following contractors estimating on remodeling and enlarging post office, bids Aug. 10 by Treasury Dept., Jas. A. Wetmore, Act. Supv. Archt., Washington, D. C.; Algernon Blair, 11 S. Lawrence St., Montgomery, Ala.; W. D. Lovell, 1415 Eighth St., S. E., Minneapolis, Minn.; Clarke Construction Co., Danville, Ill.; Thos. W. Cissel, Bethl. Tr. Bldg., Bethlehem, Pa. 7-12

N. C., Fort Bragg—War Dept., John D. Kilpatrick, Major Q. M. C., Asst. Quartermaster General, Washington, D. C., erect one 2-unit barracks for Regimental Headquarters and Service Battery of 17th Field Artillery and one 3-unit barracks for 135 mm. Howitzer Battalion, 17th Field Artillery, Fort Bragg; drawing plans; Lawrence L. Simpson, Capt., Q. M. C., Constructing Quartermaster, Fort Bragg.

Tex., Fort Bliss, El Paso—War Dept., John D. Kilpatrick, Major Q. M. C., Asst. Quartermaster General, Washington, D. C., probably have plans ready within 60 days for 50 sets of non-commissioned officers' quarters.

Va., Quantico—Additional contractors estimating on buildings for Marine Barracks, bids by Navy Dept., Bureau of Yards and Docks, date not determined: Fred Wright, 217 N. Calvert St.; American Estimating Co., 5 Guilford Ave., both Baltimore, Md.; Geo. Colon Construction Co., 81 E. 125th St., New York; King Lumber Co., Charlottesville, Va.; Madden & Somerset, Inc., 9 Linden Ave., Roxbury, Mass.; R. H. Lowe Co., 125 Salem Ave., S. W.; Roanoke Iron Works, both Roanoke, Va.; Portsmouth Lumber Corp., High St. and Belt Line R. R., Portsmouth, Va.; Mesker Bros. Iron Co., 421 S. Sixth St., St. Louis, Mo.; Jas. Devault, R. F. D. No. 1, Canton, Ohio; W. G. Cornell, 19 Patterson St., N. E.; Crane Co., 1800 E St., N. W.; Truscon Steel Co., Hill Bldg., all Washington; W. P. Thurston Co., Inc., Richmond Tr. Bldg.; Economy Concrete Company of Virginia, Inc., P. O. Box 1223, both Richmond, Va.; Harrison-Wright Co., Kinney Bldg., Charlotte, N. C.

Contractors estimating on power plant equipment, date of bids not determined: H. E. Crook Co., Inc., 28 Light St.; Ellicott Co., Lexington Bldg., both Baltimore; John W. Danforth Co., 70 Ellicott St., Buffalo, N. Y.; Crane Co., 1800 E St., N. W.; Casey Engineering Co., 1800 E St., N. W.; Concrete Oil Tank Co., Mills Bldg.; W. G. Cornell Co., 1001 K St., N. W., all Washington; M. A. Williams & Sons, Inc., 318 Hamilton Ave., Norfolk, Va.; Benj. F. Shaw Co., Wilmington, Del.; Newport Contracting and Engineering Co., Law Bldg., Newport News, Va.; O'Pry Heating and Plumbing Co., 163 Cotton Ave., Macon, Ga.; Maine Electric Co., 23 Commercial St., Portland, Me.; McIntosh & Seymour Corp., 100 Orchard St., Auburn, N. Y.; Fuel Efficiency Engineering Corp., Amer. Traders Bank Bldg., Birmingham, Ala.; W. C. Spratt, Fredericksburg, Va.; Crescent Refractories Co., Curwensville, Pa. 7-26

Hospitals, Sanitariums, Etc.

D. C., Washington—Constructing Quartermaster, Knights of Columbus Bldg., Army Medical Center, probably soon call for bids for 7 additional buildings, for Walter Reed General Hospital; \$1,500,000 of \$3,000,000 proposed expenditure now available; structures are nurses' home, observation ward, tuberculosis ward, infectious disease ward,

laboratory, morgue and general ward; ward for 100 psychiatric patients planned later.

Ga., Atlanta—Fulton County Bd. of Com. Mrs., Geo. M. Hope, Chmn., Finance Comm., considers establishing mental hospital.

Ga., Emory University—Wesley Memorial Hospital ready for bids for \$200,000 nurses' home; fireproof, 3 stories, basement and sub-basement, 100 rooms; Hentz, Adler & Shutze, Archts., Candler Bldg., Atlanta. 6-14

Ga., Macon—M. E. Shaw has permit for addition to clinic and hospital, 567 Walnut St.; \$10,000.

Miss., Brookhaven—King's Daughters Hospital considers erecting annex.

Mo., Carthage—McCune-Brooks Hospital erect \$150,000 rein. conc. brick and steel building; 3 stories, 44x150 ft., marble, terrazzo and tile floors, slate roof; Hoener, Baum & Froese, Archts., 3605 Laclede St., St. Louis; plans started. See Want Section—Building Material and Equipment. 7-26

Mo., St. Louis—Sisters of Charity of St. Vincent de Paul having plans drawn by O'Meara & Hills, Archts., Arcade Bldg., for brick bldg. for Mullanphy Hospital, Kingshighway Blvd.; G. E. Quiek, Supv. Archt., 5354 Minerva St.; plans probably ready by middle of Oct. 10-20

Mo., St. Louis—St. Luke's Hospital has \$1,500,000 bequest from Mrs. Cora Liggett Fowler for erection of John Fowler Diagnostic Clinic and Research Laboratory.

Tenn., Knoxville—Sisters of St. Mary selected Crowe & Schulte, 2436 Reading Rd., Cincinnati, O., as architects for \$300,000 hospital, Oak Hill Ave. and Kenyon St.; 75 beds in first unit; have ultimately 300 beds. 8-25-27

Tex., Dalhart—Sisters of Holy Family of Nazareth, Chicago, Ill., considering bids of W. G. Windsor and B. C. Froman for \$75,000 hospital; Kerr & Walsh, Archts., Amarillo Bldg., Amarillo, Tex.

W. Va., Beckley—State Bd. of Control, Jas. S. Lakin, Pres., Charleston, has plans about ready for \$200,000 unit of Rutherford Tuberculosis Sanatorium; T. A. Gillis, Archt., Fleming Bldg., Fairmont. 3-1

Hotels and Apartments

D. C., Washington—Price & Wechler erect \$35,000, 2-story brick and tile apartment, 4506 Georgia Ave., N. W.

D. C., Washington—Bellview Co., Inc., care Dist. Investment Co., 1010 Vermont Ave., N. W., reported, erect \$800,000, 8-story hotel, E St., west of N. Capitol St., N. W.; limestone; Pierson & Wilson, Archts., Hill Bldg.

Ky., Ashland—Jno. W. Henderson has permit for 2 apartments at Bridgehaven; \$15,000.

Ky., Louisville—C. S. Morgan erect \$35,000 apartment, 710 W. M St.; 2 stories, frame.

Ky., Louisville—Mrs. Frank Hartman, 311 S. Western Pkwy., has permit for \$12,000, 2-story brick apartment, 313 S. Western Parkway.

La., New Orleans—Latex Investment Co. has permit for \$18,700, 2-story, brick veneer apartment, 402-10 Forrest St.

La., Shreveport—Montgomery Martin, Ricou-Brewster Bldg., erect 2-story, brick apartment on Centenary Blvd.; Jones, Roesle, Olschner & Weiner, Archts., Ardis Bldg.; bids in Aug. 3.

La., Shreveport—J. B. White, Dallas, Tex., Herbert Atkins, City Bank Bldg., Shreveport, and others, have plans underway for \$150,000 to \$200,000, 3-story, rein. conc. and brick, 48-apartments; Mr. White soon start work on \$20,000, 2-story, 4-apartment, Atkins Ave. and Gilbert St.

Md., Deer Park—C. R. Smith, Union Bank Bldg., Pittsburgh, purchased Grimes property and convert into summer hotel to be known as The Oaks.

Miss., Corinth—Chamber of Commerce, M. T. Sharp, Sec., working in conjunction with Central District Construction Co., Chicago, Will T. Wray, Southern representative, Box 1277, Memphis, Tenn., promoting erection \$275,000, 100-room, fireproof hotel; details of proposition worked out, with exception of junior financing of about \$85,000 which will be confined to local citizens. 7-26

Mo., St. Louis—Sam Hamburg, Jr., Arcade Bldg., and associates erect \$300,000, 4-story and basement store, office and apartment building, Delmar and DeBalaviere Bldgs.; 10 stores on first floor, 45 apartments above, bowling alleys in basement; Jesse L. Bowling and Isadore Shank, Archts., Arcade Bldg.

N. C., Manteo—Z. V. Brinkley, W. J. Day and others interested in erection of hotel.

Tex., Alice—Homer Presnell, Trustee, received low bid at \$68,645 from H. E. Wood-

ruff, Nixon Bldg., Corpus Christi, for 5-story, 46x74 ft., brick, rein. conc., stucco, stone hotel; tile and cement floors, tile roof; Hardy & Curran, Archts., Nixon Bldg., Corpus Christi; Homer Matthews, Struct. Engr.; Lloyd D. Royer, Mech. Engr., Travis Bldg., both San Antonio. 7-26

Tex., Brownsville—Jos. K. Junkin, erect \$15,000, 2-story, hollow tile and stucco, 6-apartment; Spanish type, built-in roof; Wm. D. Van Sicken, Archt.

Tex., Cameron—Mrs. Lottie Bigbee presented proposition through G. W. Lawrence to Commercial Club for 60-room hotel.

Tex., Dilley—R. L. Couser receives bids Aug. 8 for additions and alterations to Couser Hotel conc. frame, hollow tile walls, stucco finish; south wing 33x50-ft., store on first floor and bedrooms on second; north wing, 33x88-ft., for dining room, kitchen, storage room and boiler room with 33x50-ft. bedroom portion on second floor; separate bids for plumbing, heating and wiring; Ernest B. Hays and Glenn C. Wilson, Archts., 516-17 Milam Bldg., San Antonio. 6-21

Tex., Mexia—Hilton Hotel Corp., C. N. Hilton, 1933 Main St., Dallas, negotiating with local interests for 100-room hotel.

Tex., San Antonio—Owner, Grande Courts Apartment, 3091 Mulberry St., has permit for \$21,000, stucco, 14-apartment addition.

Miscellaneous

D. C., Washington—Mrs. John B. Henderson, 2200 16th St., N. W., erect \$125,000, 4-story embassy, 16th and Lamont Sts.; Louis XI type, limestone facades, slate roof, stone cornices; George Totten, Jr., Archt., 808 17th St., N. W.

Mo., St. Joseph—Club Enterprises, Inc., John F. Studley, Pres., 100 N. LaSalle St., Chicago, plans to start work Aug. 1 on clubhouse for Club Casa Del Lago at Sugar Lake, 19 mi. from St. Joseph; project to cost \$750,000 includes clubhouse, bathing pavilion, 21 cottages, boys' and girls' camps, aviation field, ½ mi. rack track, stables for several hundred horses; Russell Darr Williamson, Archt., care owners. 7-26

Mo., Kansas City—Gillis Orphans' Home, Armour Memorial Home for Aged, care Women's Christian Assn., Mrs. J. T. Long, Pres., 2820 Forest St., having plans prepared by Keene & Simpson, 1005 Land Bank Bldg., for \$100,000 building, 33d and Jackson Sts. 10-11-27

Tex., San Antonio—Bert McNeil Co., Inc., erect 100x200-ft. market house containing stores; fireproof, Spanish type; Albaugh & Steinbomer, Archts., both Real Estate Bldg.

Va., Yorktown—Organization financed by John D. Rockefeller, Jr., Dr. W. A. R. Goodwin, representative, George Wythe House, Williamsburg, restore Moore House.

Railway Stations, Sheds, Etc.

Ga., Atlanta—Nashville, Chattanooga and St. Louis Rwy., H. McDonald, Ch. Engr., Nashville, Tenn., filed plans for station with Georgia Public Service Comn.

Okla., Tulsa—St. Louis-San Francisco Rwy., F. G. Jonah, Ch. Engr., and Atchison, Topeka and Santa Fe Rwy., H. W. Wagner, Ch. Engr., Topeka, soon complete agreements for erection of \$2,000,000 union station. 2-8

Tex., Houston—Southern Pacific Lines, R. W. Barnes, Ch. Engr., having plans and specifications completed for \$10,000,000 passenger terminals to occupy 2 city blocks; Hedrick & Gottlieb, Inc., Archts., Post-Dispatch Bldg. 5-24

Schools

Ala., Camp Hill—Southern Industrial College erect \$125,000, 2-story and basement, brick dormitory; limestone trim, built-up roof, fireproof stairs and corridors, steam heat; Edwards & Sayward, Archts., 101 Marietta Bldg., Atlanta, Ga.

Ala., Chickasaw—School Bd. plans \$35,000, 8-room elementary school.

Ala., Evergreen—State Bd. of Education, R. E. Tidwell, Supt., Montgomery, receives bids Aug. 13 for State Secondary Agricultural School; \$45,000, brick, asbestos roof; A. F. Dittmar, Archt., Montgomery. 7-19

Ala., Montgomery—Woman's College of Alabama, Dr. Walter D. Agnew, Pres., erect \$70,000 Houghton Memorial Library.

Ala., Tuscaloosa—University of Alabama, Shaler Houser, Sec., erect \$250,000 educational building; 3 stories and basement, 170x60 ft., rein. conc., brick, hollow tile stone trim, built-up roof, steam heat; Warren, Knight & Davis, Archts., Empire Bldg., Birmingham; bids in. 7-19

Ark., Arkadelphia—Henderson-Brown College, Dr. James M. Workman, Pres., plans to start work Aug. 1 on \$100,000, brick and stone dormitory for boys to replace burned structure; J. P. Almand, Archt., Boyle Bldg., Little Rock. 4-5

Fla., Bartow—Polk County Bd. of Public Instruction received low bid at \$84,180 from Paul H. Smith, Haines City, for grammar school; E. R. James, Archt.; Wm. B. Ittner, Asso. Archt., Bd. of Education Bldg., St. Louis. 7-12

Fla., Hampton—Hampton School Dist. votes Aug. 7 on \$20,000 bonds; Bradford County Bd. of Public Instruction, Starke.

Fla., Lawtey—Lawtey School Dist. votes Aug. 7 on \$20,000 bonds; Bradford County Bd. of Public Instruction, Starke.

Fla., Quincy—Gadsden County Bd. of Public Instruction, Chas. N. Gray, Supt., receives bids Aug. 11 for \$60,000, 138x100 ft., 2-story and basement, brick, rein. conc. high school; tar and gravel roof, terrazzo and tile floors; Mark & Sheftall, Archts., Clark Bldg., Jacksonville. 6-14

Fla., St. Augustine—State Bd. of Control, P. K. Yonge, Chmn., Carling Hotel, Jacksonville, receives bids Aug. 13 for boys' dormitory, Florida State School for Deaf and Blind.

Fla., Sarasota—Sarasota County Bd. of Public Instruction, W. T. Yarborough, Supt., having plans prepared by Alex. Browning, 230 E. Ninth St., for Fruitville school.

Fla., Tallahassee—Bd. of Education erect \$250,000 high school, \$125,000 grammar school and \$75,000 negro school; all 2 stories and basement, brick, stone trim, built-up roofs, fireproof stairways and corridors, steam heat; Edwards & Sayward, Archts., 101 Marietta Bldg., Atlanta, Ga.; bond election in Sept.

Fla., Wauchula—Hardee County Bd. of Public Instruction, J. B. Rooney, Supt., call for bids about Aug. 14 for remodeling grammar school in Special Tax School Dist. No. 5; \$18,000 bonds voted; H. G. Little, Archt. 7-5

Ga., Atlanta—City Bd. of Education, R. R. Ritchie, Asst. Supt., 41 Walker St., rejected bids and call for new bids Aug. 16 for additions to Commercial High, Georgia Ave., Forrest Ave., Adair and Goldsmith white schools and South Atlanta colored school; \$289,000 available; G. Lloyd Preacher & Co., Archts., Wynne-Claughton Bldg. 7-12

Ga., Athens—University of Georgia Alumni Society, Harold Hirsch, Pres., Hurt Bldg., Atlanta, raising funds for \$100,000, 2-story and basement, rein. conc. and brick building at Lampkin Law School.

Ga., Savannah—Bd. of Education soon call for 2-story and basement, rein. conc., brick, stone trim high school; conc., terrazzo and tile floors, built-up roof; Wallin & Comer, Archts., Realty Bldg.

Ga., Woodland—Woodland Consolidated School Dist. voted \$30,000 bonds to erect school; J. H. Woodall, Chmn., Bd. of Trustees.

La., Covington—Following contractors estimating on \$110,000, 2-story, brick, stone trim addition to high school for which bids will be received Aug. 17: J. V. & R. T. Burkes, New Orleans Bank Bldg.; A. Garrett, Maritime Bldg.; J. A. Haase, Jr., 916 Union St.; Dudley & Wike Construction Co., Stern Bldg.; Gitz & Geier, 8133 Oak St.; E. W. Ullrich Glass Co., 808 Baronne St., all New Orleans; G. L. Whitaker, Hammond; W. J. Quick, Swift Bldg., Lake Charles; Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans. 7-26

La., Lake Charles—Calcasieu Parish School Bd., F. K. White, Supt., receives bids Sept. 4 for 2-story, rein. conc., brick, stone trim school for LaGrange Consolidated School Dist.; comp. roof, tar and gravel roof, wood floors; Livesay & Wiedemann, Archts., Lake Charles, and 607 San Jacinto Life Bldg., Beaumont, Tex. 7-19

La., New Orleans—Orleans School Bd. receives bids Aug. 10 for 8-room annex to Andrew Wilson Public School; E. A. Christy, Archt.

La., New Orleans—Orleans Parish School Bd., City Hall Annex, soon call for bids for 3-story, rein. conc., brick, stone trim, fireproof school, Mandeville, St. Claude and N. Rampart Sts., to be known as McDonogh Nos. 2 and 3 school; comp. roof; E. A. Christy, Supvg. Archt.

La., Oil City—Caddo Parish School Bd., Shreveport, receives bids Aug. 22 for \$65,000, 2-story, rein. conc., brick and stone trim, 9-classroom school; comp. roof; Edw. F. Neild, Archt., City Bank Bldg., Shreveport. 5-31

La., Opelousas—City voted \$40,000 bonds; erect auditorium at elementary school to seat

1200, also home economics cottage on high school campus.

Md., Baltimore—St. Joseph's Monastery School, 3601 Frederick Ave., erect 1 and 3 story stone building; Palmer & Lambdin, Archts., 513 N. Charles St., preparing preliminary sketches.

Md., Galena—Kent County Bd. of Education, Louis C. Robinson, Supt., Chestertown, erect \$15,000 elementary school; bids in July 31. 7-26

Md., Rock Hall—Kent County Bd. of Education, Louis C. Robinson, Supt., Chestertown, receives bids Aug. 16 for \$20,000 elementary school. 7-26

Miss., Clyde—Lamar County Bd. of Education, Purvis, receives bids Aug. 6 for one-story brick school; comp. roof, wood floors; plans at office E. C. Hearon & Sons, Archts., 201½ W. Pine St., Hattiesburg.

Miss., Hattiesburg—Bd. of School Trustees receive bids Aug. 6 for \$10,000 Victory High School; E. C. Hearon, Archt., 201½ W. Pine St.

Miss., Jackson—Millsaps College, Dr. D. M. Key, Pres., award contracts in Aug. for science hall and dormitory, \$230,000; Harry N. Austin, Archt. 5-17

Miss., Natchez—Adams County voted \$25,000 bonds for experimental station to be established; Adams County Bd. of Supervisors. 7-12

Mo., Broseley—Broseley Consolidated School Dist. Bd. of Education, Gus W. Brandt, call for bids about Aug. 10 for \$23,000, 2-story, 60x64-ft. high school to replace structure destroyed by fire; wood floors, asbestos roof. 7-26

Mo., Richmond Heights, St. Louis—Parish of Little Flower, Father Jos. A. Tammany, Pastor, erect \$80,000, 2-story, fireproof, Tudor type parochial school; Hellmuth & Hellmuth, Archts., DeMenil Bldg.

N. C., Durham—Durham County considering \$50,000 bond issue to include completion Hope Valley School, 2-room addition to Bethesda School, elementary school in territory embracing districts of West Durham, Shambley and Hillandale.

N. C., Lemon Springs—Bd. of Education soon call for bids for \$70,000, one-story and basement, brick and steel, 10-classroom and auditorium school; Herbert B. Hunter, Archt., 116 N. Main St., High Point.

Okla., Ardmore—L. L. Curl, Contr., Bristow, started work on alterations and addition to academic building at Bloomfield, government school for Indian girls north of Ardmore; \$16,450.

S. C., Springfield—Springfield Consolidated High School Trustees erect \$50,000 high school; J. B. Urquhart, Archt., Palmetto Bldg., Columbia.

Tenn., Jackson—Lane College, Bishop Isaac Lane, Pres., improve buildings and erect power plant.

Tex., Blackjack, Sta. Troup—School Bd. plans \$10,000, one-story, brick, 5-classroom and auditorium.

Tex., Cotton Center—Cotton Center Ind. School Dist. votes Aug. 11 on \$50,000, brick, 9-classroom and auditorium school; E. A. Shackelford, Pres., Bd. of Trustees.

Tex., Cotulla—School Bd. receives bids Aug. 11 for \$20,000, one-story, conc., brick and steel school; cement floors, cast stone trim; Henry T. Phelps, Archts., Hicks Bldg., San Antonio. 7-26

Tex., Donna—Donna Independent School Dist., J. E. Wier, Sec., votes Aug. 7 on \$300,000 bonds for high school, ward school and school bldg. improvements.

Tex., Houston—Houston Ind. School Dist. Bd. of Education, H. L. Mills, Bus. Mgr., receives bids Aug. 3 for 3-story, 21-room, fireproof addition to Stonewall Jackson Junior High School; Lamar & Cato, Archt.; Robt. J. Cummins, Engr., both Bankers Mortgage Bldg. See Want Section—Building Material and Equipment. 6-28

Tex., Houston—Houston Ind. School Dist. Bd. of Education, H. L. Mills, Bus. Mgr., approved plans by Thiel & Maddrey, Binz Bldg., for erecting cafeteria and auditorium and remodeling 2-story, brick Magnolia Park Elementary School.

Tex., Waco—City voted \$660,000 bonds for schools; Geo. D. Field, City Sec. 7-12

Tex., Waco—Baylor University, Dr. S. P. Brooks, Pres., and Baylor Medical College, Dallas, soon start campaign for \$2,000,000 for new buildings, endowment and indebtedness.

Va., Radford—City voted \$35,000 bonds to complete high school; Bd. of Education. 7-5

W. Va., Flemington—Flemington Dist. Bd. of Education, D. L. Cather, Pres., receives bids Aug. 23 for \$75,000, brick and steel, 12-classroom, combination auditorium and gymnasium high school; separate bds. for plumbing, heating and electric work; plans at office Edw. J. Wood & Son, Archts., Lowndes Bldg., Clarksburg. 7-10

Stores

Fla., Miami—Burdine, Inc., 22 E. Flagler St., plans power plant. See Construction News—Electric Light and Power.

Fla., St. Petersburg—McCrory Stores Corp., W. E. Wenger, State Mgr., start work about Aug. 1 on rebuilding Central Ave. property.

Ky., Louisville—Lee Kinney, Inc., has permit for \$16,000, 2-story brick store and office, 630-32 E. Fourth St.

La., Lafayette—Maurice Heymann call for bids about Aug. 25 for 2-story, 87x97 ft., rein. conc., steel, fireproof addition and remodeling interior of store; \$50,000, conc. floors, comp. roof; Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans. See Want Section—Building Material and Equipment. 7-26

La., Shreveport—J. M. Robinson, Bayou La Chute, erect one-story, 60x84 ft., brick building, Greenwood road and Exposition Ave.; E. A. George, Archt., Giddens-Lane Bldg.; bids in July 30.

Md., Baltimore—Hajoca Corp., 120 S. 30th St., plumbing supplies, Philadelphia, 611 William St., Baltimore, acquired 3-story store-front building, North Ave. and Oak St.; remodel for service station, display room and offices; Herbert J. West, Contr., Knickerbocker Bldg.

Mo., Jefferson City—Joseph Feinstein, Propr., The Model, leased building, 129 E. High St.; remodel both interior and exterior.

Mo., St. Louis—Lesser-Goldman Cotton Co., 1700 Olive St., erect \$125,000, 2-story, 83x100-ft. building, Delmar Blvd. and Syracuse Ave.; first floor for stores, second floor leased to Emile Vescovo for bowling alley; Jamieson & Spear, Archts., Arcade Bldg.

N. C., Greensboro—Lakeshore Land Co. has permit for \$12,470, one-story brick and tile store, Greene and Bellemead Sts.

Tenn., Knoxville—Briscoe Estate, Phil J. Briscoe, Jr., erect \$35,000 brick store, Wall Ave. and Market St.

Tenn., Knoxville—Moss Yater erect \$25,000, stucco, tile trim store and apartment, 115 Magnolia Ave.; R. F. Graf & Sons, Archts., Journal Bldg.

Tex., Brownwood—W. W. McCullough and associates erect building to replace McCullough Wholesale Grocery Co.'s store destroyed by fire at loss of \$70,000. Incorrectly noted at Tex., Tyler. 7-26

Tex., Corpus Christi—C. E. Coleman, Third and Craig Sts., soon let contract for \$30,000, 75x130 ft., 2-story, conc., tile and brick building; Leopold and Sam Rankin S's., to be leased to Sears, Roebuck & Co., Chicago.

Tex., Houston—Jumonyville Furniture Co., W. Jumonyville, 3010 Smith St., plans enlargement of sales floor and warehouse.

Theaters

Miss., Greenwood—Saenger Theatres, Inc., 1401 Tulane St., New Orleans, remodel, redecorate Greenwood Theater; install Vitaphone and Movietone.

Miss., Hattiesburg—Saenger Theatres, Inc., 1401 Tulane Ave., New Orleans, La., advise not making any changes to Lomo Theatre, as lately reported. 7-26

Tex., Houston—Hedrick & Gottlieb, Archts., 2008 Post-Dispatch Bldg., reported, soon receive bids for \$235,000, 15-story theater and office building, for Houston Theater Corp., care W. C. Biddle, 1219 Post-Dispatch Bldg. 6-28

BUILDING CONTRACTS AWARDED

Association and Fraternal

Okla., Oklahoma City—Independent Order of Odd Fellows completed first floor of

\$40,000 store and lodge bldg., 214 W. C St.; brick, steel and lumber, 2 stories, 50x140 ft., maple floors, built-up asphalt roof; furnishings, equipment, etc., \$25,000; Sorey &

Vahlberg Archts., Braniff Bldg.; H. M. House & Co., Contrs., 1206 W. Main St.

Bank and Office

Miss., West Point—First National Bank let contract to Walker Bros., Fayette, Ala., for \$30,000 brick and stone trim building; 1 and 2 stories, 42x100 ft., conc. floors and foundation, tile and comp. roof, warm air heat; T. I. Klyce, Archt., Columbian Nat. Tower, Memphis, Tenn. 6-7

Mo., St. Louis—McKelvey-Carter Construction Co., Contr., 5603 Clemens St., soon start work on \$350,000, 10-story Clancy Building. See Contracts Awarded—Stores.

N. C., Winston-Salem—W. R. Weir, Belevs Creek Road, erect \$50,000 office building, N. Trade St. near Second St.; 3 stories and basement with foundation for 6-story structure; 12-inch brick curtain walls, steel frame, cast stone and buff brick front, 62x44 ft.; C. G. Henninger Co., Archt., 404 Farmers Natl. Bank Bldg.; Kiger Bros., Contrs.

Tex., Dallas—Hamilton Co., 2301 Griffin St., has heating and plumbing contract for \$750,000 medical and dental office and store building for Brinkerhoff & Bennett, Amer. Exch. Bank Bldg.; elect. work, N. E. Rusby Co., 111 S. Haskell St.; Flint & Broad, Archts., Melba Bldg.; A. J. Rife Construction Co., Contr., 914 Largent St. 7-26

Churches

Ga., Griffin—Mount Zion Baptist Church, Colored, erect \$35,000 building; brick, struct. steel trusses, hardwood floors, comp. roof; Wheaton & Sons, Contrs.

Md., Baltimore—Following sub-contracts let on \$500,000 church for SS. Philip and James H. C. Church: Struct. steel, Dietrich Bros., 220 Pleasant St.; brick, D. C. Butcher, 10 W. Chase St.; vault doors, Coggins Safe & Metal Furniture Co., 2117 N. Charles St.; millwork, Otto Duker & Co., 530 Albemarle St., all Baltimore; terra cotta, Federal Terra Cotta Co., 101 Park Ave., New York; steel window frame and ventilators, Philadelphia Supply Co., 1717 N. Sixth St., Philadelphia, Pa.; excavation, G. C. Hill, Rising Sun, Md.; limestone, Indiana Limestone Co., Bedford, Ind.; rein. steel, Truscon Steel Co., Youngstown, O.; Theo. Wells Pietsch, Archt., Amer. Bldg.; Hermann Eisert, Mech. Engr., 321 N. Charles St.; Henry Massari, Struct. Engr., 328 N. Charles St.; M. A. Long Co., Contr., 10 W. Chase St., all Baltimore. 6-21

Miss., Hickory Flat—Bluff Springs Baptist Church let contract to Luther Stacks to rebuild church.

Mo., St. Louis—Theosophical Society, 5108 Waterman Ave., let contract to S. M. Wilson, 2025 State St., Granite City, Ill., for addition; brick, 1 story, 45x75 ft., asphalt roof, steam heat. 5-17

Mo., St. Louis—Sodemann Heat & Power Co., 2306 Morgan St., has heating contract for \$250,000 Fifth Church of Christ, Scientist; elect. work, S. & S. Electric Co., 1422 Olive St.; Wedemeyer & Nelson, Archts., Wainwright Bldg.; Dickie Construction Co., Contr., Louderman Bldg. 6-21

N. C., Currituck—Methodist Church, Rev. C. T. Thrift, Chmn., Bldg. Comm., Moyock, N. C., completed foundation for \$15,000 bldg.; 1 story, slate roof; address proposals on furnishings, equipment, etc., \$2000, to Rev. Mr. Thrift; Calrow, Browne & FitzGibbon, Archts., Royster Bldg.; E. E. Weddle & Co., Contrs., Bld. of Trade Bldg., both Norfolk. 7-26

Okl., Oklahoma City—First Unitarian Church let contract to C. G. Beveridge Construction Co., Weaver Bldg., Oklahoma City, for \$100,000 bldg., 13th St. and Dewey Ave., brick, stucco, frame and hollow tile, 2 stories, 34x70 ft., wood floors, conc. foundation, slate roof; Smith & Walker, Archts., 80 Boylston St., Boston, Mass. 3-29

Okl., Prague—Methodist Episcopal Church let contract to Steward-Archer Construction Co., Purcell, for \$20,000 bldg.; brick and conc., hardwood floors, comp. shingle roof, 1 story and basement, 50x70 ft.; Leonard Bailey, Archt., Oklahoma City. 7-12

Okl., Tulsa—Carbondale Community Church erecting \$10,000 bldg., S. 21st West Ave.; frame, seat 120; owner builds.

Tenn., Nashville—Immanuel Baptist Church, 17th Ave. and West End, erect \$65,000 Sunday school; brick, steel beams, wood floor joists, studs, steel trusses, 3 stories and basement, 45x94 ft., cement and wood floors, stone foundation, built-up comp. roof; Carlton Brush, Archt., Fourth and First Bank Bldg.; E. G. Holladay Co., Contr., 151 Fourth Ave., N.; plumbing, Standard Engineering Co., 524 Eighth Ave., S.; heating, John Bouchard & Sons Co., 1024 Harrison St. 7-26

Tex., Beaumont—Park Street Christian Church let contract for \$50,000 building, Victoria St. and Washington Blvd., to J. W. Meriwether; English Gothic type, 3 stories, brick; Llyvesay & Wiedemann, Archts., San Jacinto Bldg. 6-21

Tex., Fort Worth—First Christian Church let contract at \$137,213 to Jas. T. Taylor, First Natl. Bldg., for first unit of \$200,000 Sunday school; brick, stone and rein. conc., 5 stories and basement; sixth story for gymnasium later; swimming pool in basement; Clyde H. Woodruff, Archt., Reynolds Bldg.; plumbing, Beach Plumbing and Heating Co., 300 S. Main St.; elect. work, Hensley Electric Co., 2243 N. Main St. 4-5

Tex., Pflugerville—Lutheran Church let contract at \$31,176 to Frank Rundell, 107 E. Sixth St., Austin, for brick and stone bldg.; 42x90 ft., conc. foundation, wood floors, asbestos shingle roof, hot air heat; H. F. Kuehne, Archt., Littlefield Bldg., Austin. 7-19

Va., Danville—Cabell Street Methodist Church let contract for \$80,000 bldg. to C. M. Weber, Masonic Temple Bldg.; red brick. 2-9

Va., Richmond—St. Benedicts R. C. Church excavating for \$115,000 building, Sheppard St. and Hanover Ave.; brick, 60x52 ft., tile floors, conc. foundation, tile roof; plans by Rev. Father Michael, Belmont, N. C.; John W. Wilson Co., Inc., Contr., Mutual Bldg., Richmond. See Want Section—Building Material and Equipment. 7-5

W. Va., Bridgeport—Simpson Creek Baptist Church let contract to John M. Kisner & Bro. Lumber Co., Auburn St., Fairmont, for \$35,000 bldg.; brick and tile, 1 story and basement, 48x79.6 ft., wood floors, brick and tile foundation, slate roof; address equipment proposals to E. J. Wood & Son, Archts., Lowades Bldg., Clarksburg.

City and County

Ala., Roanoke—City let contract at \$49,375 to W. H. Mitchum and E. C. Kirk for auditorium.

Ky., Louisville—Louisville Memorial Comm., Judge Robt. A. Blinham, Chmn., let contract for \$60,000 pipe organ for Louisville War Memorial Auditorium under constr. to H. Pilcher's Sons, 918 Mason St. 6-21

Mo., St. Louis—Bd. of Public Service let contract at \$41,911, to Atlas Construction Co., Int'l. Life Bldg., for Fire Engine House No. 8, Salisbury and Blair Sts.; brick, stone trim, granite base, tile roof, cement, linoleum, terrazzo and wood floors, 2 stories, 42.7x58.4 ft.; E. E. Christopher, Archt., 317 N. 11th St.; sub-contracts let. 7-26

Dwellings

Ala., Birmingham—Philip Jackson, 716 S. 29th St., erect \$15,000 residence, Mountain Brooke Estates; brick veneer, 1 story, copper clad shingle roof, steam heat; Chas. H. McCauley, Archt., Jackson Bldg.; Paul Bros., Contrs., Hollywood.

Ala., Birmingham—Rufus Duvall, 3135 Norwood Bldg., erect \$14,000 brick veneer residence, Forrest Park; 2 stories, 42x38 ft., comp. roof, furnace heat; Jacob E. Sallie, Archt., Exch. Bldg.; owner builds.

Ga., Atlanta—Atlanta Realty & Construction Co., Healey Bldg., erect \$12,000 dwelling, 70 Twenty-sixth St.; brick veneer, 2 stories and basement, hardwood floors, 2 baths, comp. roof, hot air heat; owner builds.

Ala., Hollywood—J. C. Kennedy, 2020 Railroad St., S. W., erect 2 brick veneer dwellings, Hollywood; 1 story, 40x50 ft., comp. roof, furnace heat; \$10,000 to \$12,000; Jacob E. Sallie, Archt., Exch. Bldg., both Birmingham; day labor.

Ala., Mobile—Mobile Retail Lumber Dealers Assn. and Southern Pine Assn. erect \$10,000 model dwelling; Platt Roberts, Archt.; Hardie & Bort, Contrs.

Fla., Daytona Beach—Albert Wyart erecting \$10,000 residence, Halifax Ave.

Fla., Jacksonville—Leon T. Creek let contract for \$125,000 residence to Chas. J. Davis, Jr., Phyllis St.

Fla., Miami—Dr. David Fairchild, 4013 Douglas Rd., erect \$30,000 residence; conc. block, 2 stories, 100x120 ft., wood and tile floors, comp. roof; E. C. Dean, Archt., 247 Park Ave., New York; Hubbell & Hubbell, Inc., Contr., care owner.

Fla., Miami—Mrs. Katharine Magee let contract for \$12,000 residence, Miami Shores, to P. T. Raymond, 154 N. W. 54th St.; conc. block, 2 stories, 40x59 ft., wood and tile floors, tile and comp. roof.

Fla., Miami Beach—L. C. Hendricks, care Tatum Bros., 200 E. Flagler St., Miami, has

broken ground for \$25,000 residence, San Marino Island; 40x53 ft.

Fla., Miami Beach—Miami Beach Building Corp., erect \$14,000 conc. block and stucco dwelling, 3413 Alton Road; Robt. L. Weed, Archt., 328 N. E. Second Ave.; owner builds.

Fla., Miami Beach—Wm. J. Wemmer, 4195 Pine Tree Drive, erect addition to residence; Harry H. Hice, Archt.; City Builders Finance Corp., Contr., both 1620 Alton Road.

Ga., Athens—G. A. Christian completed tile walls for \$15,000 residence, Oglethorpe Ave.; 2 stories, oak floors, tile roof; address proposals on furnishings, equipment, etc., \$3000, to Mrs. G. A. Christian, 66 P. Place; G. M. Gaskey, Archt.-Engr. 7-26

Ga., Atlanta—Melvin Realty Co., 712 C. & S. Bldg., erect \$12,000 brick veneer dwelling, 827 Argonne Ave., N. E.; 2 stories, 12 rooms, 2 baths, hardwood floors, comp. shingle roof, hot air heat; owner builds.

Ga., Atlanta—Maddox & Tisinger, Bldrs., Candler Bldg., erecting residences in Garden Hills for following: J. G. Sherer; Mrs. Jennie Matthews; Mrs. Kate L. Allen; residences in Capitol View section for E. H. Bachelor; W. L. Bowden.

Ga., Atlanta—Willshire Hynes, Asst. Gen. Mgr., Atlantic Ice and Coal Co., 106 Collins St., S. E., erecting residence, W. 26th St.; Atlanta Realty and Construction Co., Contr., Healey Bldg.

Ga., Atlanta—J. R. Jameson, Office Mgr., D. C. Black, 326 Peachtree St., erecting residence, Garden Hills; Atlanta Realty and Construction Co., Contr.

Ga., Savannah—Sam G. Adler, Broughton and Bull Sts., let contract for \$75,000 Colonial residence, Victory Drive, to Artley Co.; brick veneer, 2 stories and basement, hardwood floors, tile baths, slate roof, orn. iron, steam heat; Eugene H. Klaber and Ernest A. Grunsfeld, Archts., 435 N. Michigan Ave., Chicago, Ill. 7-19

Ky., Paducah—Sam Quill, Avondale Heights, started work on \$10,000 face brick residence; 1 story and basement, hardwood floors, hollow tile, asbestos shingle roof, hot air heat; day labor.

La., New Orleans—Wm. Hauser erect double residence, Desire and Galvez Sts.; Julian & Osborne, Contrs., 2419 Chippewa St.

La., New Orleans—Albert Tujague erect \$15,000 bungalow, Claiborne and Fontainebleau Sts.; tile roof; Edwin L. Markel, Contr., 3838 Louisiana Avenue Pkwy.

La., New Orleans—J. Bollenger erect 2 double dwellings, Eagle St. near Monroe St.; 24x75 ft. asbestos roofs; \$10,000; John Davidson, Contr., 8500 Marks St.

La., New Orleans—Mrs. Olivier, erect single raised frame residence, Louisiana Ave. Pkwy. Arthur K. Jones, Contr., 3907 Franklin Ave.

La., New Orleans—Estrade & Saffel, Contrs., 7226 Washington Ave., erect duplex, Banks and Cortez Sts.

La., New Orleans—Richard J. McGlinity erect \$13,000 residence, State St. Drive; Hyman Rabinovitz, Contr., 740 Poydras St.

La., New Orleans—Eureka Homestead Society, 451 Camp St., erect \$10,000 residence, State Street Drive; Edwin L. Markel, Contr., 3838 Louisiana Pkwy.

La., Shreveport—Miss Mattie Rendall erect \$14,000 residence, 902 Unadilla St.; brick, 2 stories; contract let.

La., New Orleans—Mrs. S. A. Galliano erect double residence, 8614 Spruce St.; C. W. Hendley, Contr., 4239 Holly Grove St.

La., New Orleans—E. C. Hunt, 4628 Barwick St., erect single raised residence, Clermont Drive near Elder St.; E. Charbonnet, Contr., 1728 Philip St.

La., New Orleans—Mrs. Michael erect 2-story double residence, Cortez and Banks Sts.; Estrade & Saffel, Contrs., 7226 Washington Ave.

La., New Orleans—Jos. J. Ferguson, 1837 State St., erect residence, 1804 State St.; Paul G. Charbonnet, Contr., 830 Union St.

Md., Baltimore—John Welsh, 11 E. Fayette St., erect 6 frame dwellings, 4500 block White Oak Ave.; 1½ stories, 23x26 ft., slate roofs; \$25,000; Geo. Wessel, Archt., 601 W. 40th St.; owner builds.

Md., Baltimore—Thos. J. Donohue erect 22 brick dwellings, 2501-43 Cecil Ave.; 2 stories, 16x28 ft. and 15x28 ft., Carey roofs, steam heat; \$44,000; owner builds.

Md., Baltimore—Constable & McGraw erect \$12,000 brick dwelling, 4202 Charlecoat Rd.; 2 stories, 43x30 ft., slate roof; Lewis & Westenhaver, Archts., 20 E. Lexington St.; owner builds.

Md., Baltimore—John J. Kirkness, 4829 Reisterstown Rd., erect 8 brick dwellings, 3613-27 Oakmont Ave.; 3 stories, 16x30 ft.,

and 18x34 ft. Carey roofs, furnace heat; \$16,000; J. Geo. Wittick, Archt.; owner builds.

Md., Baltimore—Geo. W. Armor erect \$10,000 residence, 118 St. Dunstons Rd.; brick, 2½ stories, 38x37 ft., slate roof, hot water heat; G. E. Adams, Archt.; C. K. Wells, Jr., Contr., 3538 Old York Rd.

Md., Baltimore—F. G. Buchholz, 1016 N. Charles St., erect \$20,000 residence and garage, 201 St. Martins Rd.; brick, 2 stories, slate roof, hot water heat; L. H. Fowler, Archt., 347 N. Charles St.; Tase-Norris Co., Inc., Contr., 903 Cathedral St.

Md., Baltimore—Carl R. Porter erect \$10,000 block dwelling and garage, 201 Wither- spoon Rd.; 46x35 ft. and 20x20 ft., slate roofs, hot water heat; J. W. Wolcott, Archt., 18 E. Lexington St.; owner builds.

Mo., St. Louis—B. E. Schramm, 4918 Fountain Ave., erect 3 brick dwellings, 9222 Potomac and 6215-19 Oleatha Sts.; 1 story, 24x38 ft., comp. shingle roofs, hot air heat; \$10,000; M. E. Schramm, Archt.; A. G. Schramm, Contr.

Mo., St. Louis—H. T. Pairo, 4450 Pennsylvania St., erect \$10,000 brick residence, 3957 Kingshighway, S. W.; 2 stories, 40x31 ft., asbestos shingle roof, steam heat; H. M. Lohrmann, Archt., Bank of Commerce Bldg.; C. A. Dollifer, Contr., 4539 Oregon St.

Mo., St. Louis—John Ruth, 3551 Arsenal St., started work on duplex, N. Biltmore Drive, Davis Place.

Mo., Clayton, St. Louis—Richard Weisert, care Edw. Lantz, Archt., 204 Wainwright Bldg., erect \$15,000 residence, McKnight Rd. near Clayton Rd.; brick, 2 stories and basement, 40x34 ft.; Emil Struckhoff, Contr., 7325 Wellington Ave.

Mo., St. Louis—August P. Fedder, 3130 Shenandoah St., let contract at \$16,000 to August G. Stohlmann, 6220 S. Kingshighway, for brick residence; 2 stories, 26x31.6 ft., hardwood floors, tile bath, tile roof, rubble stone foundation; Steinmeyer Bros., Archts., Intl. Life Bldg. See Want Section—Building Material and Equipment. 7-26

Mo., St. Louis—F. E. Wildermuth, Wainwright Bldg., started work on \$10,000 brick residence, 3920 Bowen Ave.; 2 stories and basement, 20x34 ft., hardwood floors, tile bath, slate roof, hot water heat; Edw. Lantz, Archt., Wainwright Bldg.; Geo. Moeller, Contr., 3520 Itaska Ave.

Mo., St. Louis—Edw. J. Meyer, California and Cherokee Sts., let contract to A. H. Peters, 2849 Pestalozzi St., for \$10,000 residence, 4165 Utah Place; brick, 1 story and basement, 27x47 ft., hardwood and tile floors, rubberoid shingle roof, hot air heat; Clarence A. Koenig, Archt., 2036A Russell Avenue. 6-28

Mo., St. Louis—W. Markoetter, 1504 Gregg Ave., erect 2 brick dwellings; 1 story and basement, 24x46 ft., tile bath, hardwood floors, comp. shingle roof, hot air heat; \$10,000; Sidney Stokes, Archt.; Stokes Construction Co., Contr., both 6117 Adeline Ave.

Mo., St. Louis—R. H. Noetzel, 5506 Dewey Ave., erect 2 brick dwellings, 4758-62 Hamburg Ave.; 1 story and basement, 24x34 ft., hardwood floors, tile baths, asphalt shingle roofs, hot air heat; \$12,000; C. W. Kuhlman, Contr., 4642 Gravois Ave.

Mo., St. Louis—C. F. Fehlig, care Henry P. Hess, Archt., Ambassador Bldg., let contract to Wm. Diemert & Son, 2706 Baldwin Ave., for brick residence; 2 stories and basement, 52x35 ft. 6-28

Mo., Clayton, St. Louis—Wenz Building Co., 7544 Maryland Ave., erect 3 brick dwellings, Forest Hill; 25x40 ft.; \$10,500; owner builds.

Mo., University City, St. Louis—E. S. Daly, 3607 Clay Ave., let contract to J. C. Brockmeier, 5127 Lexington Ave., for brick residence, 7122 Stanford Ave.; 2 stories and basement, 38x29 ft., hardwood floors, tile bath, tile roof, hot water heat; W. W. Sabin, Archt., 5816 Enright Ave.

Mo., University City, St. Louis—F. A. Collier, 3309 Meramee St., let contract to Kloster & Co., 3311 Meramee St., for \$28,000 duplex, University Park; brick, 2 stories and basement, 36x68 ft., oak floors, tile baths, stone foundation, asbestos shingle roof, elect. refrigerator, oil burner, hot water heat; O. J. Popp, Archt., Arcade Bldg. 6-21

Mo., University City, St. Louis—H. C. Beare, 7106A Forsythe St., erect \$12,000 residence and garage, 7364 Pershing Ave.; 2 stories, 35x68.6 ft., slate roof, steam heat; Nash Construction Co., Contr., 6000 Delmar Ave.

Mo., University City, St. Louis—Albert B. Stiles, 6625 Delmar Ave., erect \$10,000 brick residence, 522 Purdue Ave.; 2 stories, 45.8x

48.2 ft., slate roof, hot water heat; Gerard W. Wolf, Archt.; R. Stockton Jannopoulos, Contr., 6625 Delmar Blvd.

N. C., Blowing Rock—J. L. Snyder, 1109 Queens Road, Charlotte, expend \$25,000 to improve estate; construct conc. dam after plans by Mees & Mees, Engrs., Johnston Bldg., Charlotte.

N. C., Charlotte—W. T. McCoy, 423 S. Tryon St., let contract to L. I. Mallonee Construction Co., 301½ W. Trade St., for \$18,500 brick veneer residence, 705 Queens Rd.; 2 stories. 7-26

N. C., Charlotte—John J. Morton, P. O. Box 291, let contract to Maloney Co., 120 Builders Bldg., for \$20,000 stone residence, Providence Rd.; 2 stories, 50x32 ft., hardwood floors, Buckingham slate roof; Chas. C. Hook, Archt., Commercial Bk. Bldg. 7-19

N. C., Charlotte—H. C. Alexander, 1605 S. Boulevard, let contract to Wesley T. Heath Corp. for \$15,000 residence, 620 Berkley Ave.; hollow tile and brick, 2 stories, 54x43 ft., slate roof; M. E. Boyer, Archt., 1516 E. Fourth St.

N. C., Winston-Salem—Wachovia Building Co., Nissen Bldg., erect 2 dwellings and garages, Arbor Road; 7 rooms; \$26,500.

S. C., Aiken—Julian B. Salley erect Colonial residence, Kalmia Hill; Willis Irvin, Archt., S. F. C. Bldg., Augusta, Ga.; Byron E. Hair, Contr., Aiken.

Tenn., Kingsport—Harvey Brooks erecting \$12,000 log residence, Hill Crest.

Tenn., Knoxville—Dr. R. H. Newman completed footings for \$13,000 residence, Holston Hills; Spanish type, brick veneer, 2 stories, 57x30 ft., wood floors, Spanish clay tile roof; Peckinbaugh Construction Co., Archt.-Contr., 408 Davenport Rd.

Tenn., Memphis—J. E. Trotter, 1435 E. McLemore Ave., started work on 4 duplexes, 1100 block Melrose St.; brick veneer, 1 story, 34x40 ft., oak floors, tile bath, comp. shingle roof; owner builds.

Tex., Houston—Gray Realty Co., erect 2 brick veneer dwellings, 1910-14 W. Alabama St.; 2 stories; \$18,000.

Tex., Houston—Franklin Building Co., 914 Franklin St., erecting \$15,000 brick veneer dwelling, 1710 South Blvd.; 2 stories, 8 rooms.

Tex., Houston—J. M. West, West Bldg., erect \$250,000 residence, Clear Lake; limestone and stucco, about 200 ft. long, 45 rooms, hand-made variegated tile roof, 30-car garage, swimming pool, power house with cold storage rooms, stables and kennels, artificial lake, sunken gardens; Joseph Finger, Archt., Keystone Bldg.; Mason C. Coney, Landscape Archt., Second Natl. Bank Bldg.; Southwestern Construction Co., Contr., West Bldg.

Tex., Houston—Dr. Paul V. Ledbetter, Medical Arts Bldg., erect Colonial residence, 3215 Huntingdon Drive, River Oaks; 2 stories, stained shingle; Benson-Hall Co., Contr., Humble Bldg.

Tex., Houston—O. M. Longnecker, care Southern Pacific Lines, erect brick veneer Colonial residence, 3220 Ellalee Lane; Benson-Hall Co., Contr., Humble Bldg.

Tex., McAllen—Stephen Jones, Palm Blvd., let contract at \$15,000 to E. D. Mathis for hollow tile and stucco residence; 2 stories, 48x60.9 ft., hardwood, tile and conc. floors, rein. conc. foundation, clay tile roof; A. H. Woolridge, Archt., 207 State Bank Bldg. See Want Section—Building Material and Equipment. 7-19

Tex., San Antonio—John P. Morris, Brady Bldg., has permit for two duplex, 1628-34 Mulberry St.; stucco, 2 stories, 10 rooms; \$25,000; owner builds.

Tex., San Antonio—Mrs. Ida F. McVicar erect \$10,000 residence, 119 Club Drive; brick veneer, 7 rooms; E. S. Kaler Co., Contr., both 1010 Travis Bldg.

Tex., San Benito—J. B. Gunn erecting \$10,000 residence, N. Crockett St.; frame; Letterest Bros., Contrs.

Va., Norfolk—W. E. Smith, Contr., 4312 Hampton Blvd., plans 40 dwellings, Larchmont, Colonial Place, Winona, Lochaven and West Ghent; built-in features, attached garages; about \$300,000; work to start by Oct. 1.

Government and State

Ala., Mobile—Treasury Dept., Jas. A. Wetmore, Act. Supv. Archt., Washington, D. C., let contract at \$9726 for waterproofing Star Island, to Jett-Quill Construction Co., Bank of Mobile Bldg.; bids for runway rejected.

Fla., Jacksonville—Treasury Dept., Jas. A. Wetmore, Act. Supv. Archt., Washington, D. C., let contract to Johnson Finance and Construction Co., Jacksonville, for misc.

changes, painting, etc., post office and courthouse; about \$16,000; install about 700 lock boxes. 7-5

Va., Hampton Roads, Norfolk—Navy Dept., Bureau of Yards and Docks, Washington, D. C., let contract at \$192,000 to J. A. Jones Construction Co., Commercial Bk. Bldg., Charlotte, N. C., for storehouse.

Hospitals, Sanitariums, Etc.

D. C., Washington—Central Dispensary and Emergency Hospital, New York Ave., near 17th St., let contract for fireproof additions to Arthur L. Smith & Co., 2525 Pennsylvania Ave., N. W.; 1 building, 50x100 ft., 9 stories; 4 additional stories, 50x125 ft., to another structure; conc. foundation; A. P. Clark, Jr., Archt., 816 Fourteenth St., N. W.; M. S. Rich, Struct. Engr., 1410 H St., N. W.; E. W. Goodwin, Mech. Engr. See Want Section—Building Material and Equipment. 7-26

La., Alexandria—United States Veterans Bureau, L. H. Tripp, Ch., Constr. Div., Arlington Bldg., Washington, D. C., let contract at \$1,027,000 to N. P. Severin Co., 222 W. Adams St., Chicago, Ill., for general constr. of 400-bed general hospital; Plumbing, D. W. Chapman Co., Bond Bldg., Washington, \$120,896; heating, Redmon Heating Co., 124 N. Fourth St., Louisville, Ky., \$86,800; elect. work, Ray A. Phelps, Beloit, Wis., \$86,640; elevators, Otis Elevator Co., 510 18th St., N. W., Washington, \$32,276; refrigeration, Pyles Refrigeration Engineering Co., 411 W. Pratt St., Baltimore, \$20,000; chimney, John V. Boland Construction Co., Chemical Bldg., St. Louis, Mo., \$4042; buildings and administration bldg., infirmary, dining hall, neuropsychiatric bldg., 2 tuberculosis bldgs., storehouse, boiler house, nurses' quarters, colored infirmary, residence for Medical Officer in Charge, 3 duplexes for medical officers, apartment building and gate and transformer house; early French period type, stucco and stone, tile roofs, loggias, porches, radio receiving station on top floor of main bldg., brick work, marble, floor and wall tile, steel sash, iron work, tile, metal and traction bldg., infirmary, dining hall, neuro-built-up roofing; contract includes various corridors, roads, walks, grading and drainage; Bureau reserves right to include \$22,000 laundry bldg. in gen. contract. 7-12

Va., Williamsburg—Eastern State Hospital, G. W. Brown, M. D., Supt., erecting 50x150-ft. laundry, fireproof dormitory for women, 2 stories and basement, 230x40 ft., 2 dining rooms 40x150 ft. each, and 44x150-ft. kitchen; material purchased by State Purchasing Dept., work by day labor; contract let for laundry machinery, \$16,000; Baskerville & Lambert, Archts., Travelers Bldg., Richmond.

Hotels and Apartments

Fla., Daytona Beach—C. B. Prettymann, Groton, Conn., Atlantic Ave., Orman Beach, Fla., erect \$54,000, 40x98 ft., 3-story, steel, brick and tile apartment on Live Oak Ave., foundation started; Spanish tile roof; E. R. Willey, Contr., Box 3883; E. F. De La Haya, Archt., Shelby Bldg. See Want Section—Building Material and Equipment. 7-12

Fla., Daytona Beach—A. B. Moore, 500 Bowman Ave., completed foundation for 3-story, 200x80-ft., rein. conc. brick hotel, Beach and Fairview Sts.; Harry Gartner, Contr.; H. W. Griffin, Archt., 512½ Main St. 3-1

Fla., Jacksonville—Gertrude A. Clark erect \$15,000, 2-story brick veneer apartment, Post St. between Cherry and Rubel Sts.; J. T. Foster, Contr., 615 Greenleaf Bldg.

Fla., Jacksonville—T. J. McRae & Patton, 2501 Market St., erect \$20,000, 2-story brick veneer apartment on Golfair St.; owner builds.

La., New Orleans—O. H. Dabazies, 1455 Moss St., started work on \$11,000, 2-story, 60x27 ft., frame stucco, Spanish type apartment, Wilson Drive; pine and oak floors, comp. and tile roof; P. F. Donnes, Jr., Archt.-Contr., 3803 Cleveland Ave. See Want Section—Building Material and Equipment.

La., New Orleans—P. G. Charbonnet, 830 Union St., has contract for fourplex on Soniat St.

La., Shreveport—Lawrence L. May, 269 Prospect St., erect \$10,000, 2-story, brick apartment; S. & L. Construction Co., Contr.

Mo., St. Joseph—National Building and Construction Co., Lee Bldg., Kansas City, has permit for two 40½x65 ft., 3-story, 12-apartments on Noyes Blvd. between Faraon and Jule Sts.; owners build.

Mo., St. Louis—E. Ruper, 6000 Scanlan St., erect \$10,000, 2-story, 29x50-ft. brick tenement, 6019 Scanlan St.; comp. shingle

roof, hot water heat; Home Bldg. Repair Co., Contr.; J. R. Egbert, Archt., both 1043 Louisville, St.

Mo., St. Louis—V. Wells erect \$10,000, 2-story, 34x47 ft., brick tenement, 5414-16 Loughborough Ave.; comp. roof, hot air heat; H. Johnson, Archt.-Bldr., both 6122 Dewey St.

Mo., St. Louis—L. Newman has permit for three, 2-story, 36x44 ft., brick tenements, 5652-62 Labadie St.; \$30,000, wood and plaster roofs, hot air heat; M. Newman, Bldr., both 841 W. Gate St.

Mo., St. Louis—A. Morganstern, 1152 Bayard St., erect \$10,000, 2-story, 34x52 ft., brick tenement, 5814 Kennerly St.; tar and gravel roof, hot air heat; D. Morganstern, Archt.-Bldr., 5067 N. Kingshighway.

Mo., St. Louis—Koch & Hauptfeisch, 5535 Grace St., erect \$10,000, 2-story, 26x48 ft., brick tenement, 3933 Gillmore St.; asphalt shingle roof, hot water heat; Schulte & Turling, Archts., Grand and St. Louis Sts.; owners build.

Mo., St. Louis—L. Koplon, 6219 San Bonita St., erect \$12,000, 2-story, 34x94-ft., brick tenement, 4106 Blaine Ave.; B. Shapiro, Archt., 4202 Holly Ave.; owner builds.

Mo., St. Louis—Delma Elam, 608 Chestnut St., erect two 2-story, 25x47 ft., brick tenements, 6734-38 Marquette Ave.; Kirke W. Moses, Archt.-Bldr., 3643 Bowen St.

Mo., St. Louis—Union Realty & Construction Co., 5560 Easton St., erect \$25,000, 2-story, 49x160-ft., brick tenement, 1447 Shawmut St.; comp. tar and gravel roof, hot air heat; M. D. Lerner, Archt., 5560 Easton St.; owner builds.

Mo., St. Louis—Detering Agency, Grand and Gravois Aves., erect 2-story, 33x44 ft., brick tenement, 5448-50 Rhodes St.; comp. shingle roof, hot air heat; J. W. Miller, Archt.-Bldr., 5329 Robert St.

Mo., St. Louis—May Building & Investment Co., 808 Chestnut St., erect 3-story, 80x38-ft. brick tenement, 4937-39 Chippewa St.; comp. roof, steam heat; F. G. Avis, Archt., 1021 Big Bend road; owner, Bldr.

Mo., St. Louis—N. Schrackner, 1919A Withnell St., erect \$10,000, 2-story, 34x51 ft., brick tenement, 5422-24 Rhodes St.; G. W. Tripp, Bldr., 4455 Gravois Ave.; T. Tripp, Archt., 5220 Steffens St.

Mo., St. Louis—J. Rabenau, 6926 Virginia St., erect 2-story, 35x50 ft., brick tenement, 6619-21 Alabama St.; comp. roof, hot air heat; owner Bldr.

Mo., University City, St. Louis—Mrs. Anna Spoenemann, 4142 Farlin St., erect \$20,000, 2-story, 53x68 ft., brick, 4-apartment, 7246 Pershing Ave.; tile roof, steam heat; C. Spoenemann, Contr., 4142 Farlin St.; Nolte & Naumann, Archts., Fullerton Bldg.

Mo., University City, St. Louis—Mrs. C. G. Petchaft, 706 Leland St., erect \$18,000, 2-story, brick, 4-apartment, 7355 Pershing Ave.; Edw. H. Beckemeier, Contr.; Schulte & Turling, Archts., both 206 Grand St. Louis Bldg.

Mo., University City, St. Louis—Mrs. H. H. Hughes, 63 Arundel Pl., erect \$15,000, 2-story, 50x64-ft. brick 4-apartment, 7379 Pershing Ave.; slate and comp. shingle roof, steam heat; March & Phoffenburger, Contrs., 1014 S. Vandeventer St.; H. H. Hughes, Archt., 63 Arundel Pl.

Mo., University City, St. Louis—A. L. Woas, 6940 Delmar Blvd., erect 2-story, 24x50-ft. brick flat, 719-21 Amherst Ave.; A. L. Woas & R. Co., Archt.-Contr., 6726 Olive St.

N. C., Raleigh—Following sub-contracts awarded for 10-story, 50x70-ft., rein. conc., 104-room addition to Hotel Sir Walter for Griffin & Bland Hotel Co. for which John W. Hudson, Jr., Tarboro, is Gen. Contr.: Rein. steel, Trusecon Steel Co., Youngstown, O.; cement, Penn-Dixie Cement Co., Kingsport, Tenn.; crushed stone, Raleigh Granite Co., Citizens Bk. Bldg.; sand and hauling, J. H. Roy; face brick and back-up tile, B. Midlin, Hood Brick Co., Commercial Bank Bldg.; plumbing and heating, Consolidated Heating and Plumbing Co.; electrical work, Thompson Electrical Co., 132 Fayetteville Road; granite, Campbell Bros., 210 S. West St.; marble and tile, B. F. McClamrock & Co., 223 S. West St., all Raleigh; common brick, Borden Brick and Tile Co., Goldsboro; plastering, D. Draddy & Co., 205 E. Bland St., Charlotte; painting and interior decorating, Brewer Paint Co., Rocky Mount; millwork, Sanford Sash & Blind Co., Sanford; terra cotta, Atlantic Terra Cotta Co., 25 W. 44th St., New York; struc. steel, Dietrich Bros., 220 Pleasant St., Baltimore; James A. Salter, Archt. 5-24

Tex., Beaumont—Gulf Manufacturing and Lumber has contract for 1,000,000 brick to be used in \$1,000,000, 19-story, 120x120-ft.

hotel, Pearl and Liberty Sts., for Edson Hotel Co., Ed. G. Edson; Christy-Dolph Construction Co., Contr., Construction Indus. Bldg., Dallas; F. W. Steinman & Sons, Archts., 411 San Jacinto Life Bldg., Beaumont; Hedrick & Gottlieb, Asso. Archts., Post-Dispatch Bldg., Houston. 7-26

Tex., Beaumont—Spence & Howe Construction Co. has contract for driving wood piles and Raymond Concrete Pile Co., Keystone Bldg., Houston, for cone. piling for \$1,000,000, 19-story, 120x120 ft. hotel, Pearl and Liberty Sts., for Edson Hotel Co., E. G. Edson; Christy-Dolph Construction Co., Gen. Contr., Construction Industries Bldg., Dallas; F. W. Steinman & Sons, Archts., 411 San Jacinto Life Bldg., Beaumont; Hedrick & Gottlieb, Asso. Archts., Post-Dispatch Bldg., Houston. 7-26

Tex., College Station—N. K. and Alton Boyett erect brick and stucco apartment at A. & M. College; Olle Martinsen, Contr., Bryan.

Tex., Corpus Christi—Graham & Collins Electric Co., 306 W. Commerce St., have contract for electric wiring and A. H. Shafer, 418 N. St. Marys St., both San Antonio, has contract for plumbing and heating for \$600,000, 12-story Plaza Hotel being erected for Smith Bros., Nixon & Associates to be leased to Plaza Hotel Co.; McKenize Construction Co., Gen. Contr., Travis Bldg.; Adams & Adams, Archts., 1010-15 Real Estate Bldg., both San Antonio. 12-1-27

Tex., Port Arthur—Marine Hotel Co., J. F. Goodhue Bldg., Beaumont, and associates, let contract to Sneed Construction Co., Beaumont, for concrete and steel joist frame for \$500,000, 11-story, 75x130 ft., rein. conc., brick Goodhue Hotel, 5th St. and Waco Ave.; piling completed; Tisdale, Stone & Pinson, Archts., 1103 Goodhue Bldg., Beaumont. 5-31

Tex., Point Isabel—F. M. Bartholomew, Bldr., Indianapolis, Ind., started work on \$500,000 hotel; 5 stories, 100x120 ft., 200 rooms, brick, rein. conc., fireproof. 5-17

Tex., San Angelo—J. E. Young and Theo. Montgomery erecting \$25,000, one-story and basement, 63x88-ft. brick veneer undertaking home, Twohig and Magdlen Sts., to be leased to Robert Massie Co.; R. K. Thomas and R. K. Hamlin, Archts., 212 Ricker & Dodson Bldg., San Angelo, and 807 Builders Exchange Bldg., San Angelo; owners build. 7-12

Tex., San Antonio—John P. Morris, 809 Brady Bldg., erect two \$12,500, 2-story, 34x40-ft., stucco, 10-room apartments, 1628-34 Mulberry St.; H. L. Scott, Archt., 809 Brady Bldg.; owner builds.

Tex., San Antonio—North St. Mary's Development Co., L. J. Hart, Pres., Gunter Bldg., remodel interior of Neuces Hotel, St. Mary's and Martin Sts.; \$35,000; J. E. Dickey, Contr., 216 Eleanor St.; Phelps & Dewees, Archts., Gunter Bldg.

Miscellaneous

Ark., Fort Smith—St. Scholastica Convent, Sister Loretta, Supt., Albert Pike Highway, let contract to H. G. Buchanan for \$125,000 addition; chapel and swimming pool, 5-story tower; brick, fireproof, conc. floors; F. W. Redlich, Archt. 2-23

D. C., Washington—Washington Home for Foundlings started work on \$100,000, brick and stone home, 42d and Brandywine Sts., Tenleytown; Frank L. Wagner, Inc., Contr., 1336 New York Ave., N. W.; Arthur B. Heaton, Archt., 1211 Connecticut Ave., N. W.

Fla., St. Augustine—Model Land Co., Ingraham Bldg., let contract to Gunn & Goll, Security Bldg., for \$17,000, 2-story, 30x136 ft., hollow tile restaurant; F. Wyatt Woods, Archt., Ingraham Bldg. 6-19

Ga., Rome—Emmett Cole let contract to Gilbert Beers, Bona Allen Bldg., Atlanta, for \$30,000, 2-story and basement, 107x58-ft., stucco over tile or brick funeral home; cast stone trim, asbestos shingle roof; Lockwood & Poundstone, Archts.; Ed. F. Bille, Asso. Archt., both Forsyth Bldg., Atlanta. 7-19

Ga., Valdosta—Ashley & Converse, Box 98, erect \$10,500, 2-story, 35x70 ft., frame dormitory, foundation and cellar completed; R. N. McEachren, Contr., Hill Ave. 7-26

Md., Baltimore—Baltimore Club, Charles and Madison Sts., remodel dwelling at 6 W. Madison St., for club annex; \$40,000; Consolidated Engineering Co., Contr., 20 E. Franklin St.; Buckler & Penhagen, Archts., 325 N. Charles St.

Md., Salisbury—Salisbury Home for Aged, W. S. Gordy, Jr., erecting \$62,000, 3-story brick building, Main St.; Cogswell-Koether Co., 406 Park Ave.; H. P. Hopkins and A. C. Barton, Archts., 347 N. Charles St., both Baltimore.

Mo., St. Louis—College Club of St. Louis, 5428 Delmar Blvd., erect 2-story, 17x36-ft.

brick addition to club building; comp. slate roof; C. W. Schuler & Co., Bldrs., 2838 Texas St.; F. R. Leimkuehler, Archt., 1516 Chemical Bldg.

S. C., Edgefield—Edgefield Civic League let contract to S. G. Heath to remodel building for Edgefield Library.

Railway Stations, Sheds, Etc.

Fla., Pensacola—St. Louis-San Francisco Rwy. Co., F. G. Jonah, Ch. Engr., St. Louis, Mo., soon start work on \$100,000, one-story, 71x100 ft., stucco and tile, Spanish type passenger depot, W. Garden and Coyle St.; W. Horace Williams Construction Co., Contr., 833 Howard Ave., New Orleans; R. C. Stevens, Company Archt. 6-14

Fla., Webster—Ricketts & Howarts, Contrs., Eva and Raymond Sts., Tampa, started work on \$25,000 brick passenger and freight station for Atlantic Coast Line R. R. Co., J. E. Willoughby, Ch. Engr., Wilmington, N. C. 7-26

Mo., St. Louis—Laclede Steel Co., Arcade Bldg., has contract for 300 tons rein. steel for \$850,000, 3-story, 60x180 ft. fruit auction house for Wabash Railway Co., Railway Exchange Bldg., for which Boaz-Kiel Construction Co., 409 N. Broadway, has general contract; R. E. Mohr, Company Archt. 7-26

Tex., Del Rio—Texas & New Orleans R. R., 913 Franklin Ave., Houston, let contract to Robert E. McKee, Box 367, El Paso, for one-story, 36x148-ft. passenger station and one-story, 30x120-ft. freight repot with 32x62 headhouse; brick, hollow tile, rein. conc., stucco, cast stone, conc. floors; R. W. Barnes, Ch. Engr., Southern Pacific Lines, 916 S. P. Bldg., Houston. 7-12

Schools

Ala., Dothan—Bd. of Education let contract at \$41,515 to J. F. Holley Construction Co., Ensley, for athletic stadium; brick and conc.; Warren, Knight & Davis, Archts., Empire Bldg., Birmingham; C. C. Yonge, Asso. Archt., American Natl. Bank Bldg., Pensacola, Fla. 7-19

Ala., Dothan—Bd. of Education, O. L. Tompkins, Chmn., let contract to Jacobs & Herrington, Ashford, for addition and alterations to Junior High School, repairs to Rose Hill School and erection brick, limestone trim, 10-room elementary school on South St.; \$90,000; Hirsch & Jones, Archts., 306 Vandeventer Bldg., Montgomery. 7-26

Ark., Conway—Hendrix College, Dr. J. H. Reynolds, Pres., started work on \$90,000, 2-story, fireproof administration building; A. J. Stolz, Little Rock, have charge of construction; Whittenberg & Deloney, Archts., Little Rock. 7-26

Ark., Little Rock—Little Rock Special School Dist., G. DeMatt Henderson, Pres., let contract to George Burden Construction Co., Moore and Turner Bldg., or auditorium to Centennial School; John P. Almand, Archt., 902 Boyle Bldg.

Ark., Marianna—University of Arkansas, Fayetteville, let contract for buildings, Cotton Branch Experiment Station, to Jennings & Samuels, Marianna; brick veneer dwelling, brick veneer, 6-room office building and laboratory, barn, combination seed house and gin building, and 8 houses for labor; \$35,000; plans by E. B. Whitaker, Box 123, Marianna. See Want Section—Building Material and Equipment. 7-12

Ala., Montgomery—Woman's College of Alabama, Dr. Walter D. Agnew, Pres., let contract at \$55,818 to Algernon Blair, 11 S. Lawrence St., for central heating plant.

Ark., Prescott—Bardwell & Freeman, Contrs., started work on \$25,000, brick, stone trim, 6-classroom Junior High School on E. Second St.

Ark., Stuttgart—University of Arkansas, College of Agriculture, Fayetteville, awarded contract to L. L. Anderson, Dewitt, Ark., and Fisher & Stephen, Caruthersville, Mo., for 8 buildings for Rice Branch Experiment Station; 1 and 2 stories, brick veneer, tile and frame, \$29,000; furnishings and equipment, \$3500; G. H. Banks, Asst. Dir., Box 516; plans by Dept. of Agricultural Engineering, University of Arkansas. See Want Section—Miscellaneous. 7-12

Fla., Englewood—Sarasota County Bd. of Public Instruction, W. T. Yarbrough, Supt., Sarasota, let contract at \$27,197 to F. B. Merry, 621 Vermont St., Sarasota, for one-story, 8-classroom and auditorium grade school; T. M. Bryan, Archt., Sarasota Bank Bldg., Sarasota. 6-7

Fla., Ocala—Rev. Paul V. Hatch, Catholic Rectory, let contract to Southard Construction Co., Smith Bldg., Orlando, for \$65,000, 3-story, 100x50 ft., brick, terra cotta trim,

7-classroom parochial school first section of Trinity Academy; George Mackay & Co. Archts. 6-21

Ga., Ambrose—Coffee County Bd. of Education, Melvin Tanner, Supt., Douglas, let contract at \$18,100 to R. N. McEachren for brick veneer school; comp. roof, wood floors.

Ky., Campbellsburg—Henry County Bd. of Education, New Castle, let contract to Eustus Williams, Anchorage, for school.

Ky., Fulton—Bd. of Education erect \$35,000, 2-story, 70x116 ft., brick and conc. school, footings poured; Jack Cole Contracting Co., Contr., Guthrie Bldg., Paducah; J. F. Parrish, Archt., Jackson, Tenn. 7-26

La., Baton Rouge—East Baton Rouge Parish School Bd., W. H. Perkins, Pres., let contract at \$34,500 to L. W. Eaton, 1601 N. Boulevard, for brick school, Monte Sano; stone trim, 1 story, 74x150 ft., wood and tile floors, comp. and tile roof; Jones, Roessle & Olschner, Archts., Maison Blanche Bldg., New Orleans, and Raymond Bldg., Baton Rouge; foundation in; materials purchased. 6-28

La., Haynesville—Mosher Steel and Machinery Co., Maple Road, has struct. steel contract for \$200,000 h.g. school for Claiborne Parish School Bd., Homer; stone, Herget Cut Stone Co., 5241 Maple Road; misc. and orna. iron, Southern Ornamental Iron Works, 2425 S. Harwood St., all Dallas, Tex.; millwork, Mechanics Lumber Co., 400 S. Tenth St.; painting, Haskett & Borling, both Fort Smith, Ark.; plumbing and heating, J. C. Koriath Plumbing and Heating Co., Sherman, Tex.; rein. steel, Connors Steel Co., Empire Bldg., Birmingham, Ala.; wiring, Electric Shop, 517 Edwards St.; roofing and sheet metal, Houseman Sheet Metal Works, 1549 Jordan St., both Shreveport, La.; structure brick, Indiana limestone trim, 2 stories and basement, quarry tile floors and tile wainscoting in corridors, Barrett roof, recessed lockers in corridors, natural slate blackboards; Edw. F. Neild, Archt., City Bank Bldg., Shreveport; J. H. Reddick, Contr., Fort Smith, Ark. 7-19

La., New Orleans—Orleans Parish School Bd., City Hall Annex, let contract at \$12,188 to A. G. Rose, Inc., 526 Loyola Ave., for installing heating system in McDonough No. 12 School. 6-14

La., New Orleans—Orleans Parish School Bd., City Hall Annex, let contract at \$11,733 to Gore & Daubert, Inc., 835 Baronne St., for heating in McDonough School No. 10, First and Baronne Sts.; also let contract to J. A. Petty & Sons, Inc., Godchaux Bldg., for additions and alterations to school at Broad and Baudin Sts.

La., Rocky Mount—Bossier Parish School Bd., Benton, let contract at \$41,315 to Swindle & Purcell, Plain Dealing, for 2-story, rein. conc., brick, stone trim school; built-up comp. roof; Edw. F. Neild, Archt., City Bank Bldg., Shreveport. 7-12

Miss., Betheden—Betheden Consolidated School Trustees, T. B. Rives, Pres., R. F. D., Louisville, let contract to J. W. Moorehead, Louisville, for one-story, 62x95 ft., brick school; wood and conc. floors, asbestos shingle roof; F. A. Livingston, Archt., Louisville. 7-12

Miss., Collins—Covington County Bd. of Education let contract to W. D. McDaniel, for school in Lone Star Consolidated School Dist.

Miss., Kewanee—Dixie Highway Consolidated School Dist. Trustees let contract at \$30,900 to W. A. McDonald, Meridian, for one-story brick school; Burt Stuart, Archt., 1401 24th Ave., Meridian. 7-26

Mo., Kansas City—St. Augustine's R. C. Church, Rev. A. J. Koehler, Pastor, let contract to F. A. Taylor, 404 Bonfils Bldg., for 2-story, brick, parochial school, 79th St. and Paseo; 8 classrooms, rein. conc. floors; Madorie & Bihl, Archts., Continental Bldg. 7-19

Mo., St. Louis—Dickie Construction Co., Contr., 317 N. 11th St., started work on \$400,000, 3 and 4 story, 216x80-ft. school and dormitory for Central Institute for Deaf, 828 S. Kingshighway; heating, E. P. Ambler, 2822 LaSalle St.; plumbing, E. C. C. Reisel Plumbing Co., 4418 N. Broadway; electric, S & S Electric Co., 1422 Olive St.; Wm. B. Ittner, Archt., 911 Locust St. 7-26

Mo., St. Louis—Bd. of Education, R. M. Milligan, Commr. of Schools, 9th and Locust Sts., erect \$199,000, 76x161 ft., 3-story, Lindenwood School, 7017 Lindenwood St., and \$290,000, 3-story, 233x61 ft., Kennard School, 5031 Potomac St.; brick, comp. and tile roofs; Humes-Deal Co., Contr., 777 Arcade Bldg. 7-26

N. C., Ahoskie—Ahoskie School Dist. Trustees let contract at \$64,395 to C. B. Mooney, Mocksville, for school; Leslie N. Boney, Archt., Murchison Bldg., Wilmington.

Okla., Enid—Bd. of Public Affairs, Oklahoma City, let contract to McMillen & Shelton, 232 E. B. C. Bldg., Enid, for \$60,000 girls' ward, Feeble Minded Institute; brick and conc., 2 stories, 33x137.4 ft. cement floors, conc. foundation, clay tile roof; Layton, Hicks & Forsyth, Archts., Braniff Bldg., Oklahoma City. 7-26

Okla., Muskogee—State Bd. of Public Affairs, J. Robt. Gillam, Sec., Oklahoma City, let contract at \$30,926 to O'Connor Co., 411 N. Third St., for power plant at State School for Blind; Layton, Hicks & Forsythe, Archts., Braniff Bldg., Oklahoma City. 7-26

S. C., Salem's Crossing—Bd. of School Trustees, Milo B. Martin, Chmn., care A. D. Gilchrist, Archt., Rock Hill, let contract at \$36,000 to J. C. Heslep, 429 Divine St., Columbia, for brick, 11-classroom and auditorium high school. 7-5

Okla., Sulphur—G. C. Frier, Contr., started work on primary school at State School for Deaf on which he has contract at \$12,842; 3 stories, 53.6x155.10 ft., conc., brick, hollow tile, fireproof, cement and wood floors, Johns Manville roof; Layton, Hicks & Forsythe, Archts., Braniff Bldg., Oklahoma City. 7-26

S. C., Pelion—Bd. of School Trustees, C. A. Shumpert, Chmn., let contract to Foor Hayes, Gilbert, for one-story, 70x60-ft. brick, 4-room addition to school; asphalt shingle roof, pine floors; J. H. Sams, Archt., Carolina Bk. Bldg., Columbia. 7-26

Tex., Coahoma—Coahoma Ind. School Dist., Cecile Cloninger, Sec., erect \$34,000, one-story, 139x82-ft., brick, rein. conc. school; foundation completed; conc. floors; H. H. Shell & Son, Contrs., Avenue M., Peters, Haynes & Strange, Archts., 617 Myrick Bldg., both Lubbock. 7-26

Tex., Corpus Christi—Corpus Christi Ind. School Dist., George P. Blevins, Sec., let contract at \$218,900 to Dougherty-Nichols-Young Construction Co., Nixon Bldg., for 3-story, 82x224-ft., brick, tile, rein. conc., cast stone trim Senior High School; elect. work, Ayers Electric Co., at \$4960; tile roof, cement, terrazzo and wood floors; Hardy & Curran, Archts., Nixon Bldg.; Homer M. Matthews, Struc. Engr., Bedell Bldg., San Antonio. 7-12

Tex., Dallas—Lee R. Doughty, Contr., 320 E. Ninth St., started work on \$85,000 Stearns Memorial Dormitory for Evangelical Theological College; Clyde H. Griesenbeck, Archt., Const. Industries Bldg.

Tex., Kosse—Bd. of School Trustees, S. T. Jones, Pres., let contract to Rabe Wilson, 1008 Franklin St., Waco, for \$17,000, 30x128 ft., rein. conc., brick addition to school; wood floors, built-up roof, hot air heat; H. F. Kuehne, Archt., 824 Littlefield Bldg., Austin. 7-19

Tex., Olton—Olton Ind. School Dist. let contract at \$38,398 to Smith & Conn. Lubbock, for 171x50 ft., 10-room high school; Peters, Haynes & Strange, Archts., Lubbock. 6-7

Tex., San Antonio—Sisters of Charity of Incarnate Word, Incarnate Word College, let contract at \$208,795 to Kroeger-Brooks Construction Co., 817 Frost Bldg., for 3-story, 34x94-ft. classroom building, 3-story, 155x38-ft. dormitory and one-story and balcony, 60x135 ft. auditorium; brick and rein. conc.; wiring, \$5496, Graham & Collins Electric Co., Inc., 306 W. Commerce St.; F. B. Gaenslen, Archt., Builders Exchange Bldg. 7-12

Va., Alexandria—School Bd. let contract to Snuder-Kane-Boothe Corp., for \$10,000, 2-story and basement, 3-classroom addition to Parker-Gray School.

Va., Harrisonburg—State Teachers College Trustees erecting addition to service building and dormitory, Nielsen Construction Co., Contr.; also erect practice house, Harrisonburg Building and Supply Co., Contr. 7-19

W. Va., Alum Bridge—Freeman's Creek Dist. School Bd. let contract to Faris & Chapman, Tanner, for junior high school; Carl Reger, Archt., Morgantown. 7-26

W. Va., Bristol—Tennille Dist. Bd. of Education let contract at \$19,060 to W. E. Denison, Wolf Summit, for interior work on high school; S. W. Ford & Co., Archts., Latstetter Bldg., Clarksburg. 7-12

Stores

Ark., Blytheville—A. M. Butt let contract to M. B. Beeman for \$23,000 one-story, brick building to be leased to J. C. Penney Corp., 3330 W. 34th St., New York.

Ark., Camden—L. Bauerline started work on brick store; 1 story, 2 stores 20x70-ft. each, conc. floors and foundation, built-up roof; J. H. Jeffus, Contr. See Want Section—Building Material and Equipment. 7-26

Ark., Jonesboro—Chas. Davis erecting 3-story brick building; Burton & Ballew, Contrs.

Ark., Jonesboro—J. A. Cash erecting 74x80-ft. brick building, E. Main St., for 3 stores; Winchell, Trevathan & Strickland, Contrs.

Fla., Jacksonville—Mrs. Lizzie Joseph, First and Market Sts., erect \$14,000, 2-story, brick store and apartment, Market St.; H. L. Smith, Contr., Rt. 2, Box 166.

Fla., Jacksonville—Geo. Ellis, 540 W. State St., erect 2nd-story brick addition to store and apartment, 528-34 W. State St.; H. L. Smith, Contr., Rt. 2, Box 166.

Fla., Miami—Baeder Properties, First Natl. Bank Bldg., let contract to Operative Maintenance Corp., 629 N. W. 7th St., for \$11,000 store; Lee L. Wade, Coral Gables, supervise work.

Fla., Palm Beach—Following sub-contracts awarded on \$55,000, 3-story, 65x73-ft., rein. conc. and stone store and apartment, Seaboard Ave. and County road, being erected for Palm Beach Company: Harrison Construction Co., Gen. Contr., Box 1907, Buena Vista Sta., Miami; Millwork, Gate City Sash & Door Co.; electrical, Arthur Hamilton, Jr., 606 Avon Rd., Palm Beach; plumbing, Norman K. Bennett & Co., 1312 Georgia Ave.; roofing and metal, Ahrens & Son, 911 S. Poinsettia St.; glass and glazing, Gentry Brothers, Inc.; rein., H. I. Davis, 509 34th St.; plastering, W. A. Bound, Inc., 622 31st St., all West Palm Beach; painting, Coward & Averitt, 1529 S. W. Eighth St.; caulking, Chamberlain Metal Weatherstrip Co., Inc., 37 N. E. First Ave., both Miami; Treanor & Fatio, Archts., Palm Beach. 7-26

Ga., Savannah—United Department Stores, 215 W. Broughton St., let contract to Alex Bearman, Atlanta, for remodeling store; improvements to basement, install elevator; Levy & Clarke, Archts., Blum Bldg. 7-26

Ky., Frankfort—Jay Budd broke ground for 2-story store and apartment, Versailles and Georgetown pikes.

Md., Baltimore—Haskell Feldman, 3922 Dalrymple Ave., erect \$50,000 building for stores, 4713-35 Gwynn Oak Ave.; brick, 1 story, 40x187 ft., pine floors, conc. foundation, slag roof; Fredk. E. Beall, Archt., 306 St. Paul St.; owner builds.

Md., Baltimore—Hanan & Sons, Marbridge Bldg., New York, install new front and make interior improvements to 3-story, brick building, 325 N. Charles St.; J. E. Marshall & Son, Contrs., 177 South St.; Clyde N. & Nelson Friz, Archts., Lexington Bldg.

Miss., Columbia—H. J. Sims erect 30x70 ft., brick building on Second St.; Guy Burt will have charge of construction.

Mo., Farmington—S. Goodman let contract to Busenback Construction Co., Flat River, for store on Columbia St.

Mo., St. Louis—McKelvey-Carter Construction Co., Contr., 5603 Clemens St., soon start work on \$350,000, 10-story, 106x150-ft., brick, steel, conc. Clancy Building, Washington Ave. and 18th St.; terra cotta trim, cement, terrazzo and marble floors, first 3 floors to be occupied by Langan Furniture Co.; upper floors for office or loft space; Aergenter & Bailey, Archts., Railway Exch. Bldg.

Mo., St. Louis—Frank Yawitz, 2333 Pine St., Pres., Maxine Realty Co., expending \$50,000 for improvements to 4-story store and loft building, 15th and Pine Sts.; later erect hotel on site.

Mo., St. Louis—Missouri Rolling Mill Corp., 6800 Manchester St., has contract for 350 tons' rein. steel for mercantile building, 18th St. and Washington Ave.

Mo., St. Louis—J. C. Dunn, 4049 St. Louis St., erect \$10,000, 2-story, 36x51 ft., brick tenement, 5100-92 Thekla St.; tar and gravel roof, hot air heat; W. Shasserre, Bldr., 5973 Wells St.; V. P. McMahon, Archt., 719 Buder Bldg.

Okla., Blackwell—A. L. Shaw soon start work on 2-story, brick store and office, 114 S. Main St.; Earl Taton, Archt.-Bldr. 7-5

Okla., Tulsa—May Bros., 212 S. Main St., soon start work on \$200,000, 3-story and basement, Spanish type clothing store, 511-13 S. Main St.; Rucks Brandt, Contr., 415 W. 12th St.; Lee I. Shumway, Archt., Alexander Bldg. 7-5

Tenn., Bulls Gap—J. Thompson let contract to Will's Manufacturing Co., Morristown, for grocery store and garage.

Tex., Houston—Frank P. Sterling, 1505 South Boulevard, erecting \$25,000, 2-story building, 1505 South Blvd.; W. A. Lang, Contr., 1130 Banks St.

Tex., Houston—C. L. and Wm. Waugh, 1006 Cordell St., started work on \$20,000, 2-story brick store and apartment, 1000 Enid St., Brooke Smith addition.

Tex., Houston—W. D. Branum, Bankers Mortgage Bldg., has permit for \$15,000 brick veneer store, 2702 Telephone road; J. C. Plank, Contr., 3318 Leeland St.

Tex., Houston—Jack Sammons let contract to Carl Curtis for \$20,000, 2-story, brick store, DeFee and Goose Creek Sts.

Tex., San Antonio—Wm. Basse Estate, 624 S. Medina St., remodel buildings for stores, Military Road and Dolorosa St.; \$14,000; Leo. M. J. Dielmann, Archt., 306 E. Commerce St.; E. A. Huebner, Contr., Moore Bldg.

Va., Richmond—Richmond Structural Steel Co., Inc., has contract for 700 tons struct. steel for \$450,000, 5-story, basement and sub-basement annex for Thalheimer Bros., Inc., 615 E. Broad St.; Doyle & Russell, Gen. Contrs., Grace American Bldg.; Carneal & Johnston, Archts., Electric Bldg. 7-12

Theaters

Tex., Corpus Christi—E. B. Jackson Construction Co. has contract for \$29,756, 50x135 ft., brick theatre at Leopard and Waco Sts., for R. & R. Theatre Enterprises, 2209 Jackson St., Dallas.

Warehouses

Ga., Atlanta—Phenix Supply Co., Nelson St., started work on \$18,000 warehouse; brick, 1 story, 90x128 ft., conc. floors and foundation, tar and gravel roof; Felton Davis, Archt., care Pringle & Smith, Norris

Bldg.; Griffin Construction Co., Contr., 452 Spring St.; material purchased.

N. C., Charlotte—E. C. Griffith Co., Johnston Bldg., let contract at \$100,000 to J. A. Jones Construction Co., Commercial Bank Bldg., for three 2-story and basement, 50x125 ft., conc. and brick, fireproof warehouses on W. Moreland St.

Tex., San Benito—Euwana Box Factory, Klamath Falls, Oregon, let contract to O. S. Wallace for \$7500, 50x300 ft., sheet iron warehouses at San Benito, Donna and Mercedes; 50 carload capacity; Valley Box and Crate Factory, H. E. Agar, V.-P.-Mgr., San Benito, Agents.

THE CLASSIFICATIONS IN THIS SECTION ARE:

WANT SECTION

Machinery and Supplies

Under this heading are reported requests for data, prices and literature and information on machinery, supplies and miscellaneous materials of a wide variety.

Building Materials and Equipment

This division comprises all classes and kinds of materials and equipment used in building and construction projects of every kind.

Bids Asked

Includes bids asked by U. S. Government, States, districts, municipalities, firms and individuals for machinery, materials, supplies and construction work.

Items in this department are published without charge and these columns are open for the publication of wants of all kinds relating to construction work, machinery, materials and supplies.

Machinery and Supplies

Electric Magnetic Ore Separators.—C. W. Alpaugh, Rivers & Streams, Inc., Manassas, Va.—Has holdings with deposits of minerals consisting of manganese ore, magnetic iron, etc., and wants data and prices on magnetic ore separators; plans purchasing laboratory machine for making tests.

Friction Saw.—Twin City Boiler Works, Bristol, Va.—Wants friction saw, capacity up to 20 in. beams; first-class condition.

Gasoline or Oil Engine.—Herman Schauwecker & Sons, Parkersburg, W. Va.—Wants prices on used Fairbanks-Morse 40-60 h. p.; old type horizontal gasoline or oil engine; state condition.

Hoisting Engine and Boiler.—North State Lumber Co., P. O. Box 464, Charleston, S. C.—Wants 8x10 double drum hoisting engine with 125 lb. pressure boiler.

Lumber Mill Machinery.—Robt. L. Radford, Postmaster, Bay Springs, Fla.—Wants machinery for manufacturing small dimension lumber of dogwood, tupelo gum, poplar, cypress, maple, etc.

Printing Presses.—Southwest Ticket and Coupon Co., 106-8 S. Beckley Ave., Dallas, Tex.—Wants prices on printing presses to print tickets and coupons.

Shear.—Twin City Boiler Works, Inc., Bristol, Va.—Wants rotary splitting shear of ¾-in. capacity.

Steam Heating Units.—Pilot Hosiery Mills, Inc., Lexington, N. C.—Wants prices and data on steam heating unit of type having motor and fan for distributing heat.

Vegetable Canning Machinery.—Dixie Dairies, Inc., E. D. Clawson, Pres., P. O. Box 252, West Palm Beach, Fla.—Wants prices and data on vegetable canning machinery.

Water Supply System.—Town of Wesson, Miss., J. K. Patterson, Clk.—Bids Aug. 13 for materials and constructing water supply system; Massena L. Cully, Consult. Engr., 205 Lampton Bldg., Jackson.

F. F. Dutton, Sanford, Fla.—Wants prices and data on following for celery precooler:

- (1) **Chain**
- (2) **Compressors**—ammonia.
- (3) **Conveyors**—buckets 10x20x24 in.
- (4) **Electric Hoist**—5 tons, 60 ft. span, 150 ft. length, 15 ft. left
- (5) **Feed Boxes**
- (6) **Motors**—1 h. p. to 50 h. p.
- (7) **Pipe.**

B. J. Hatfield, Apartado 75, Torreon, Coah., Mexico—Has client using bagasse (sugar cane waste) under boilers, but water content affects free burning; wants machinery to press excess amount of water out of bagasse and to prepare it in brick form to facilitate burning.

R. E. Thompson, Wilson, La.—Wants prices on following for mixed feed plant under construction:

- (1) **Automatic Scales**
- (2) **Bag Sewing Machine**
- (3) **Packer**
- (4) **Roller Oats Machine**—and other machines pertaining to mixed feed plant.

Anniston Scrap Material Co., Inc., H. W. Buckner, Mgr., N. Broad and Evans St., P. O. Box 21, Rome, Ga.—Wants prices and data on following:

- (1) **Boilers**—10 to 20 hp. vertical, submerged head, used
- (2) **Conveyor**—Jeffery or other good, used
- (3) **Derrick**—stiff-leg, 65 ft. boom or better
- (4) **Hoist**—steam or electric, D. D. D.C.

Frank L. Priest, 5309 Cabanne Ave., St. Louis, Mo.—Wants prices and data on following:

- (1) **Conveying Machinery**—for placing flour gold in bins
- (2) **Ore Separators**—separate flour gold from volcanic ash, hourly capacity 20 to 30 tons
- (3) **Placer Mining Equipment**
- (4) **Reducing Machinery.**

Miscellaneous

Amusement Devices.—Springdale Tourist Camp, C. I. Carroll, Mgr., San Antonio, Tex.—Wants prices and data on amusement devices.

Office Equipment.—W. D. Raywinkle, Heber Springs, Ark.—Wants revolving stool with back; revolving arm chair; 2 chairs without arms, water cooler, 5 gal. capacity; for postoffice.

Swimming Pool Equipment, etc.—R. P. Johnson (Michy. Dealer), Wytheville, Va.—Wants complete data and prices on equipment for swimming pool, also drawings and specifications.

Rice Experiment Station, G. H. Banks, Asst. Dir., Box 516, Stuttgart, Ark.—Wants following for experiment station:

- (1) **Laboratory Equipment**
- (2) **Office Equipment and Files**
- (3) **Weather Recording Instruments.**

Building Material and Equipment

E. B. Whitaker, Box 123, Marianna, Ark., wants prices on hardwood, linoleum and comp. flooring for \$35,000 cotton experiment station.

W. J. Stolz, Highbridge Sta., New York, N. Y.—Removing present skylight and wants prices and data on installing copper and iron skylight approximately 34x12 ft., at Vicksburg, Miss.

A. P. Clark, Jr., Archt., 816 Fourteenth St., N. W., Washington, D. C., wants prices on following for \$300,000 hospital:

- Electric Refrigerators**
- Elevators**
- Flooring**—tile, composition
- Limestone**
- Marble**
- Metal Doors**
- Roofing**—built-up, tile
- Tile**—hollow
- Terra Cotta Trim.**
- E. R. Willey, Box 3883, Daytona Beach, Fla., wants prices on following for \$54,000 apartment for C. B. Prettyman:
 - Cast Stone**
 - Flooring**—hardwood
 - Incinerator**
 - Mail Chutes**
 - Metal Doors**
 - Roofing**—tile.

P. J. Donnes, Jr., Archt.-Contr., 3803 Cleveland Ave., New Orleans, La., wants prices on following for \$11,000 apartment:

- Flooring**—hardwood, linoleum, tile
- Mail Chutes**
- Roofing (flat)**—built-up, tile
- Tile**—gypsum.

Jones & Trott, Inc., Archts., Woodside Bldg., Greenville, S. C., want prices on following for \$25,000 dwelling, Union, S. C.:

- Cast Stone**
- Flooring**—hardwood, tile
- Incinerator** (may use)
- Plaster Board**
- Roofing**—tile.

C. G. Henninger Co., Archt., 404 Farmers Natl. Bank Bldg., Winston-Salem, N. C., wants prices on following for \$150,000 store and office building:

- Cast Stone**
- Elevators**
- Flooring**—linoleum, tile
- Metal Doors**
- Roofing (flat)**—built-up
- Steel Sash and Trim**
- Tile**—gypsum, interior
- Terra Cotta Trim.**

John T. Wilson Co., Inc., Contr., Mutual Bldg., Richmond, Va., wants prices on hollow tile for \$115,000 church.

A. H. Woolridge, Archt., 207 State Bank Bldg., McAllen, Tex., wants prices on following for \$15,000 dwelling:

- Electric Refrigerators**
- Flooring**—hardwood, tile
- Roofing**—tile
- Steel Sash and Trim**
- Tile**—hollow.

Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans, La., wants prices on following for store for Maurice Heyman, Lafayette, La.:

- Cast Stone**
- Flooring**—tile
- Metal Ceilings**
- Metal Doors**
- Roofing (flat)**—built-up
- Sprinklers**
- Steel Sash.**
- Wire Glass.**

Lamar & Cato, Archt., Bankers Mortgage Bldg., Houston, Tex., wants prices on following for 3-story, 21-room addition to Stonewall Jackson Junior High School:

- Flooring**—hardwood, tile
- Limestone**
- Marble**
- Roofing (flat)**—built-up tile
- Tile**—hollow.

G. A. Christian, Athens, Ga., wants following for residence:

- Boiler**—steam
- Radiators.**

Louis G. Carlisle, Archt., 521 Medical Arts Bldg., Memphis, Tenn., wants prices on following for \$180,000 apartment for W. C. Graves:

- Electric Refrigerators**
- Flooring**—hardwood, tile
- Limestone**
- Mail Chutes**
- Metal Doors**
- Rolling Partitions**
- Roofing (flat)**—built-up
- Steel Sash and Trim.**

Ivey & Crook, Archts., Candler Bldg., Atlanta, Ga., wants prices on following for \$155,000 school in Druid Hills Dist.:

Brass and Bronze Work.

Flooring—hardwood, terrazzo, composition
Limestone
Marble
Metal Doors
Rolling Partitions
Roofing (flat)—slate
Steel Sash and Trim
Tile—hollow
Vaults
Ventilators
Wire Glass

A. Ten Eyck Brown, Archt., Forsyth Bldg., Atlanta, Ga., wants prices on following for \$20,000 dwelling, Canton, Ga.:

Flooring—hardwood, tile
Marble
Roofing (hip)—slate
Tile—hollow, interior.

Paul G. Silber & Co., Archts., Bedell Bldg., San Antonio, Tex., want prices on following for \$15,000 church addition, Cuero, Tex.:

Flooring—hardwood
Roofing—asbestos shingle.

Jones, Roessle & Olschner, Archts., 312 Raymond Bldg., Baton Rouge, La., wants prices on following for \$35,000 addition to Monte Sano School:

Cast Stone
Roofing (flat and hip)—built-up, tile.

Hoener, Baum & Froese, Archts., 3605 Laclede St., St. Louis, Mo., want prices on following for \$150,000 hospital, Carthage, Mo.:

Dumb Waiters
Electric Refrigerators
Elevators
Flooring—terrazzo, tile
Limestone
Marble
Roofing—slate
Vaults.

Steinmeyer Bros., Archts., Intl. Life Bldg., St. Louis, Mo., want prices on following for \$16,000 dwelling:

Flooring—hardwood, tile
Roofing—tile.

L. A. Glover, Archt., Binz Bldg., Houston, Tex., wants prices on following for 3-story school:

Flooring—terrazzo, tile
Limestone
Metal Doors
Steel Sash and Trim
Tile.

J. H. Jeffus, Contr., Camden, Ark., wants prices on following:

Flooring—linoleum
Metal Ceilings
Metal Doors
Steel Sash and Trim.

J. A. Walsh, Contr., Country Club Place, Corpus Christi, Tex., wants prices on following for \$15,000 store building:

Cast Stone
Flooring—composition concrete
Roofing—built-up
Steel Sash and Trim
Tile—hollow.

Bids Asked

Bridges, etc.—State of South Carolina received bids for 5 bridges and culverts. See Roads, Streets, Paving.

Bridge.—Knoxville, Tenn. See Construction News—Bridges, Culverts, Viaducts.

Bridges.—State of Missouri—Bids for 32 bridges. See Construction News—Roads, Streets, Paving.

Crushed Rock.—H. L. Washburn, County Auditor, Houston, Tex.—Bids Aug. 13 for 5000 tons of crushed rock; plans from A. J. Wise, County Engr.

Culvert Pipe.—Bd. of Supervisors of Franklin County, Meadville, Miss.—Bids Aug. 6 for 1 or more car loads of culvert pipe, vitrified or glazed clay for use on public roads of Franklin County.

Curb and Gutters.—Easton, Md. See Construction News—Roads, Streets, Paving.

Dredging.—U. S. Engineer Office, Galveston, Tex.—Bids Aug. 27 for dredging channel from Galveston Harbor to Texas City; information on application.

Electric Conduit System.—Office of David Lynn, Architect of the Capitol, Washington, D.C.—Bids Aug. 15 to construct high tension conduit system or duct line between Capitol power plant and U. S. Capitol; information on application.

Flags.—U. S. Engr. Office, Philadelphia, Pa.—Bids Aug. 6 for 1350 engineering flags.

Hose.—Quartermaster Supply Officer, Fort Sam Houston, Tex.—Bids Aug. 7 for 22,200 ft. rubber garden hose.

Incandescent Lamps.—Mayor and Bd. of Alderman, Houma, La.—Bids Aug. 7 for

city's supply of incandescent lamps, for street lighting, for one year from date award of contract.

Linoleum, Electric Wiring, etc.—Bd. of Awards, Baltimore, Md.—Bids Aug. 8 for furnishing and installing linoleum in school No. 65 and electric wiring and fixtures for Group No. 3 for Dept. of Education; specifications from Chief of Maintenance and Operations of School Buildings, Lafayette and Carrollton Aves.

Lumber.—Quartermaster, Marine Corps, Washington, D. C.—Bids Aug. 4 for 130,000 ft. b. m. lumber.
W. S.—B. A.

Miscellaneous Supplies.—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids Aug. 10 for following: Sch. 1893:

- (1) Automobiles
- (2) Electric Rivet Heaters
- (3) Motor-Driven Pumps
- (4) Motor Trucks.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, Gen. Pur. Agt., Washington, D. C.—Bids Aug. 8 for following: Sch. 2462:

Corrugated roofing, valves, flush pipes, siphons, reamers, ignition cable, controller segments, bolts, belting, rubber washers, ridge roll, screw clamps, tire plungers, etc.

Miscellaneous Supplies.—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids Aug. 17 for following: Sch. 1892: Automatic Sprinkler system, woodworking machinery, paint mixer, track jacks, anvils, reamers, unsensitized blueprint paper, glass, switches, rectifiers, soldering irons, etc.

Painters' Ladders, etc.—Quartermaster Supply Officers, Fort Sam Houston, Tex.—Bids Aug. 8 for 2 folding roof brackets, 2 folding painters' ladders, extension ladders, straight ladders, adjustable ladder brackets, extension swing stage ladder and adjustable ladder hook.

Painting.—State Bd. of Control, J. S. Lakin, Pres., Charleston, W. Va.—Bids Aug. 18 for furnishing all labor, brushes, ladders, etc., except paint material, to paint 27 buildings on University farms outside of Morgantown.

Paving.—Covington, La. See Construction News—Roads, Streets, Paving.

Paving, etc.—Washington, D. C.—See Construction News—Roads, Streets, Paving.

Paving.—Birmingham, Ala. See Construction News—Roads, Streets, Paving.

Paving.—Tuscaloosa, Ala. See Construction News—Roads, Streets, Paving.

Pipe (Cast Iron).—See Water Works System.

Pipe (Cast Iron).—See Water Works and Sanitary Sewers.

Pipe (Galvanized Steel).—See Water Works and Sanitary Sewers.

Pipe (Galvanized Iron).—See Water Works.

Piping.—Supv. Archt., Treasury Dept., Washington, D. C.—Bids Aug. 9 for removing present water supply piping, water heater and tank, etc., and furnishing and installing new brass water supply piping, water heater and tank, etc., at U. S. Post Office and courthouse, Augusta, Ga.

Powerhouse Machinery, Piping, Water Pump, etc.—U. S. Engr. Office, P. O. Box 72, Louisville, Ky.—Bids Aug. 9 for furnishing labor and materials and performing all work for furnishing and installing machinery and piping in powerhouse and turbine pit, piping in pipe trenches, water pump in pump tower and installing gate and valve operating machinery at Lock and Dam No. 51, Ohio River; information on application.

Refrigerating Machines.—Bureau of Yards and Docks, Navy Dept., Washington, D. C.—Bids Aug. 8 for refrigerator, refrigerating display counter and automatic refrigerating machine at Navy Yard, New York.

Reservoir.—See Water Works System.

Retaining Wall and Gutters.—Treasury Dept., Office of Supervising Archt., Washington, D. C.—Bids Aug. 7 for constructing retaining wall and conc. gutters at Federal Industrial Institution for Women, Alderson, W. Va.

Roads.—State of Missouri—Bids for 29 roads. See Construction News—Roads, Streets, Paving.

Road.—Houston, Tex. See Construction News—Roads, Streets, Paving.

Road.—Nashville, Tenn. See Construction News—Roads, Streets, Paving.

Road.—New Albany, Miss. See Construction News—Roads, Streets, Paving.

Road.—Baton Rouge, La. See Construction News—Roads, Streets, Paving.

Roads.—State of Mississippi—Bids for 2 roads. See Construction News—Roads, Streets, Paving.

Roads.—State of North Carolina—Bids for 5 roads. See Construction News—Roads, Streets, Paving.

Roads.—Chattanooga, Tenn.—Bids for 2 roads. See Construction News—Roads, Streets, Paving.

School Furnishings and Equipment.—Executive Committee of Br. of Trustees of State Teachers College, Hattiesburg, Miss.—Bids Aug. 10 for school furnishings and equipment for Demonstration School.

School Equipment.—Bd. of Education, Fairmont Independent School Dist., Fairmont, W. Va.—Bids Aug. 15 for equipment for High School, Miller School, Barnes School and Dunbar School; plans from Wm. B. Ittner, Archt., Inc., 408 Bd. of Education Bldg., St. Louis, Mo.

Sewers.—Bd. of Public Service, St. Louis, Mo.—Bids Aug. 14 for Hampton Ave. joint sewer, Des Peres Sewer Dist. No. 4 and sewers in Wherry Ave., Sewer Dist. No. 2.

Sewers.—Bd. of Public Instruction, County Court House, Tampa, Fla.—Bids Aug. 9 for installing sewerage ejector system at Henry L. Mitchell School of Consolidated Special Tax School District, No. 4, Hillsborough County; plans, etc., from H. A. Van Borssum, 1612 Highland Ave.

Sewers.—Town of York, Ala., H. L. Hoot, Mayor—Bids Aug. 14 for constructing sanitary sewer system; 26,300 ft. of 8-in., 1390 ft. of 10-in., 380 ft. of 12-in., and 2730 ft. of 15-in. sanitary sewer; wyes, manholes, etc.

Sidewalks, etc.—Pineville, La. See Construction News—Roads, Streets, Paving.

Stamped Envelopes and Newspaper Wrappers.—P. O. Dept., Washington, D. C.—Bids Aug. 7 for furnishing stamped envelopes and newspaper wrappers for Postal Service.

Steel Shelving.—Dist. Commrs., Washington, D. C.—Bids Aug. 7 for furnishing and installing steel shelving and cases in new McKinley high school.

Street.—Tampa, Fla. See Construction News—Roads, Streets, Paving.

Streets.—Miami, Fla. See Construction News—Roads, Streets, Paving.

Street.—LaGrange, Ga. See Construction News—Roads, Streets, Paving.

Streets.—Jefferson City, Mo. See Construction News—Roads, Streets, Paving.

Streets.—St. Louis, Mo. See Construction News—Roads, Streets, Paving.

Street.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Tank and Tower.—See Water Works System.

Valves.—See Water Works and Sanitary Sewers.

Water Works.—See Water Works and Sanitary Sewers.

Water Treatment Plant.—Town of Boen Raton, Fla., J. G. Brown, Mayor—Bids Aug. 15 for furnishing materials and equipment and constructing pumping station and water treatment plant; H. S. R. McCurdy, Consult. Engr.

Water Works and Sanitary Sewers.—Supervisors of Chesterfield County, Ettrick, Va., Chas. C. Reed, Chmn.—Bids Aug. 20 for labor, materials and equipment and constructing water works and sanitary sewerage system; work includes 48 ft. of 14-in., 1775 ft. of 10-in., 3200 ft. of 8-in., 6400 ft. of 6-in., and 48 ft. of 4-in. c. i. pipe; 2100 ft. of 1½-in. and 6300 ft. of 2-in. galv. steel pipe; 21 fire hydrants; 36 valves; 17,190 ft. sewer pipe and accessories; J. B. McCrary Engineering Corp., Engrs., Atlanta, Ga.

Water Works System.—Town of Purcellville, Va., A. N. Adams, Mayor—Bids Aug. 15 for furnishing materials and labor and building a gravity system of water works, including: Water distribution system and appurtenances; 60,000 gal. steel tower and tank, 130 ft. with foundations; 2,000,000 gal. steel reservoir with foundations (alternate bids on 1,000,000 gal. reservoir; system of gravity mains and appurtenances; two intake dams, cribs and pools; work includes 34,587 ft. of 6-in., 7841 ft. of 4-in. c. i. mains; 6730 ft. of 2-in. galv. iron mains; 24 fire hydrants; 13 six-in., 13 four-in., and 7 two-in. gate valves; 4 automatic air release valves and 1 automatic altitude controlling valve; The Ambler Engineering Co., Richmond, Va., Engrs.

Joins New Orleans Port Board.

The Board of Port Commissioners of New Orleans, a State agency, has announced the appointment of William Allen as assistant to the general manager in the foreign trade department. The foreign trade office is in Chicago; the executive office is in New Orleans.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers, whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Du Pont For Six Months.

The semi-annual statement, June 30, of E. I. du Pont de Nemours & Co. shows income from operations as \$10,309,575, as against \$7,735,888 for the first six months of 1927. The General Motors Corporation returned \$19,967,728; income from miscellaneous securities amounted to \$3,502,083, as against \$893,942 during the first six months of 1927, the 1928 figures including a profit of approximately \$2,286,000 from the sale of 114,000 shares of United States Steel common stock, a non-recurring item. The net income for the half year was \$32,696,782, compared with \$23,834,209 during the corresponding period of 1927. Surplus as of June 30 was \$124,472,266, compared with \$97,785,244 at the beginning of the year. Total gross assets, \$392,217,249; current liabilities, \$9,405,596.

Government Sale at Atlanta, Ga.

Property in Atlanta, Ga., owned by the United States Government will be sold by sealed bids on August 22, specifications in the meantime being obtainable from the Quartermaster General, Washington, D. C. The property includes 1.25 acres at Stewart avenue and Wells street, with garage, 65 by 108 feet; warehouse, 65 by 108; shop, 24 by 40; storage shed, 22 by 48, and heating plant, 17 by 20. Railroads and trolley lines run near the property and an eight-foot cyclone fence encloses the reservation.

France Orders Jaeger Mixers.

The Jaeger Machine Company, Columbus, Ohio, announces that the French Government has purchased 85 Jaeger mixers, 50 being 14-S, one-half yard size, equipped with extension track loaders, and also an order for two carloads of Jaeger mixers has been received from the Soviet Government. The company adds that the Jaeger mixer is selling well in foreign countries and on jobs far inland.

Facts About San Antonio.

Information of value in regard to San Antonio and Southwest Texas is contained in a set of "Questions and Answers for New England Textile Manufacturers," prepared by the industrial department of the San Antonio Chamber of Commerce, M. C. Giesecke, chairman; C. C. Leel, industrial secretary, and Porter Whaley, general manager, who will give further details to persons or corporations interested. San Antonio is stated now to have approximately 1100 large and small factories.

National Flue Cleaner in South.

The National Flue Cleaner Company, Inc., Groveville, N. J., has appointed several new Southern representatives as follows: Fuel Efficiency Engineering Company, Birmingham, Ala.; A. S. Furtwangler, Charleston, S. C.; Reed & Duecker, Inc., Memphis, Tenn.; Buckmaster-Luck-Malochie, Inc., New Orleans, La., and Henry Eggelhof, Dallas, Tex. They will act as exclusive distributors of the National Soot blower, designed for use with return tubular and Scotch marine boilers.

National Supply Company Expands.

The Superior Gas Engine Company has been purchased in its entirety by the National Supply Company of Delaware, the purchase including plants at Springfield, Ohio, and Philadelphia, Pa. Part of the Superior Gas Engine organization has been the Otto Engine Works, a pioneer in the building of internal combustion engines, with plant at Holmesburg, near Philadelphia.

Chicago Pneumatic Tool Appointments.

The Chicago Pneumatic Tool Company, New York city, announces the appointments of W. S. Lynch as district manager of the Cincinnati office and A. M. Andresen as acting district manager at Seattle, Wash.

A. J. Gerlach is Appointed.

The T. L. Smith Company, Milwaukee, Wis., concrete mixers and pavers, has appointed A. J. Gerlach as advertising manager for the preparation of advertising literature and to co-operate with the George J. Kirkgasser Company of Chicago in the trade paper advertising.

With Greensboro Supply Co.

B. M. Graves, formerly president of the Southern Textile Machinery Company, Greenville, S. C., now in process of liquidation, has become associated with the Greensboro Supply Company, Greensboro, N. C., machine tools, power and lighting plants, in its textile machinery department.

Wheeling Steel Report.

Net profit of \$2,955,763 from operations and net profit of \$1,530,125 for the quarter ending June 30 are shown in a statement of the Wheeling Steel Corporation and subsidiary companies. The surplus is given as \$12,267,762, compared with \$11,409,957 as of April 1. The net profit for the quarter is available for dividends.

Trade Literature

Manufacturers Directory.—The Louisville (Ky.) Industrial Foundation has issued a handy directory of manufacturers and products of the district. The introduction gives a brief sketch of the organization and function of the Industrial Foundation and of the resources of Louisville. Individual concerns are listed alphabetically and then cross indexed under the various products, also arranged alphabetically.

Hydro-Electric Power.—An interesting story of the construction of a hydro-electric development of more than 200,000 horsepower near Newberry, S. C., is told in a pamphlet, "Millions In It," issued by the chamber of commerce of that city. Newberry is shown to have 8000 population and four large cotton mills, employing 2500 persons, with an annual payroll of \$1,800,000. Other information of interest also is given.

\$200,000 Tulsa Building Let to Contract.

Tulsa, Okla.—James E. Duffey has awarded contracts for the erection of a \$200,000 store building at Main and Seventh streets, this city, 140 by 125 feet, 2 stories, of Spanish architecture and designed for additional stories later. The interior will be divided for nine stores with removable partitions in the basement, mezzanine and first floor. Walls will be done in Spanish plastering glazed in various tones, while the ceilings will be beamed and paneled and balconies and stairways done in wrought iron. Parking space will be provided for tenants. John T. Blair of Blair Brothers, Tulsa, is the architect. The following contracts have been awarded:

Brick and stone—Lusco Brick and Stone Company, Kansas City, Mo.

Carpentry and lumber—Edgar Hughes, Tulsa.

Concrete forms—Economy Removable Form Company.

Heating—Gasteam Radiator Company, Tulsa.

Machinery work and cement work—Smith, Hayden and Reed, Tulsa.

Marble and tile—Bond Tile and Marble Company, Tulsa.

Millwork—American Sash and Door Company, Kansas City, Mo.

Ornamental iron work—Tulsa Woven Wire Company.

Plate glass—Pittsburgh Plate Glass Company, Pittsburgh, Pa.

Steel—Patterson Steel Company, Tulsa.

Tile roofing and sheet metal work—Southern Cornice Works, Tulsa.

City Manager an Important Office.

Advancement of the position of city manager almost to the plane of a profession is indicated by the fact that several universities now offer regular courses on that line, while Dr. Leonard D. White has written a book, "The City Manager," at the instance of the International City Managers Association and the University of Chicago. Among the institutions which offer this special course are Syracuse University, Syracuse, N. Y.; University of Michigan, Ann Arbor; University of California, Berkeley, and the University of Chicago. The International City Managers Association, John G. Stutz, executive secretary, Lawrence, Kan., also issues a City Manager Yearbook.

\$500,000 Expenditure Planned for Dwellings.

Atlanta, Ga.—The Ames subdivision in the vicinity of Virginia and Highland avenues has been purchased by the Haralson Company, of this city, which plans a home development program estimated to cost \$500,000. The property contains about 100 lots, of which approximately 50 have been improved.

30,000-KILOWATT UNIT FOR PARR SHOALS POWER PLANT.

Barstow Interests Will Bring Total Capacity Steam Station to 72,500 Kilowatts.

Columbia, S. C.—Plans have been made by the General Gas and Electric Corporation, New York, controlled by W. S. Barstow & Company, Inc., of that city, for the construction of a third unit of 30,000-kilowatt capacity to the steam power plant at Parr Shoals, 40 miles from Columbia, of the Broad River Power Company, a subsidiary. This unit will increase the capacity of the Parr Shoals plant to 72,500 kilowatts, the new facilities to be tied in with those of the Lexington Water Power Company, another Barstow enterprise, which is developing a water power project on the Saluda River, about ten miles from Columbia, for an initial capacity of 200,000 horsepower and an ultimate rating of 275,000 horsepower. It is likely that the Parr Shoals unit will be ready for operation during the latter part of 1929, or at all events, prior to the completion of the Saluda River project.

\$1,250,000 of Levee Contracts Awarded.

Contracts involving more than 4,000,000 cubic yards of levee construction, to cost approximately \$1,250,000, have been awarded by the Mississippi River Commission, Memphis, Tenn., for the first and second districts. Contractors include: J. L. Ward Construction Company, Cleveland, O., 730,000 cubic yards at \$349,670; Fred C. Morgan, Indianapolis, Ind., 612,000 cubic yards, \$151,260; C. I. Jones, St. Louis, Mo., 213,000 cubic yards, \$98,625; A. A. Davis, Kansas City, Mo., 525,000 cubic yards, \$136,500; William W. Roth, Hickman, Ky., 225,000 cubic yards, \$47,250; Charles C. Aderholdt, Memphis, 190,000 cubic yards, \$91,200; C. C. Weathers, Jr., Greenville, Miss., 161,000 cubic yards, \$58,045; Canal Construction Company, Memphis, 1,265,000 cubic yards, \$308,027, and Henry J. Kaiser, Oakland, Calif., 195,000 cubic yards at \$60,840. The work will be done in the vicinity of Memphis.

Neches Water Plant Changes Hands.

Beaumont, Tex.—The Neches Water Company of this city, one of the largest water supply companies in the state, has been purchased by the Peoples Light and Power Corporation, New York, through G. L. Ohrstrom & Company, Inc., of that city. The Neches company supplies water to Port Arthur and to many large oil refineries and other industries in the vicinity. Two pumping stations lift water from the Neches River into a main canal, from which it is distributed by a system of 125 miles of distribution canals.

Erecting Sweet Potato Starch Plants.

Thibodaux, La.—F. O. P. Theander is installing machinery for the manufacture of sweet potato starch in a building recently completed here. About 1000 acres have already been planted in sweet potatoes. It is estimated that approximately 1500 bushels will be required daily to keep the plant operating at capacity. As fast as practicable, the manufacture of other sweet potato products will be undertaken.

Feldspar Decrease in 1927.

The crude feldspar sold or used by producers in the United States in 1927 amounted to about 202,497 long tons, valued at \$1,424,755, or \$7.04 a ton, according to reports obtained by the Department of Commerce. These figures show a decrease of 4 per cent in quantity and 11 per cent in total value, compared with 1926.

Feldspar was mined and sold in 1927 in Arizona, California,

Colorado, Connecticut, Maine, Maryland, New Hampshire, New York, North Carolina, Pennsylvania, South Dakota and Virginia. The seaboard States, from Maine to North Carolina, reported about 94 per cent of the total production and value in 1927. North Carolina, the leading State, reported about 50 per cent of the total output; Maine was second and New Hampshire third. The average value per long ton in North Carolina was \$6.08; in Maine, \$8.72, and in New Hampshire, \$8.13.

Thirty-two commercial grinding mills reported 223,915 short tons of ground feldspar sold in 1927, valued at \$3,564,141, or \$15.92 a ton, compared with 225,362 tons, valued at \$3,775,797, or \$16.75 a ton, in 1926, a decrease of less than 1 per cent in quantity and 6 per cent in value.

\$3,000,000 Improvements for Washington Hospital.

Washington, D. C.—In accord with a \$3,000,000 enlargement program for Walter Reed Hospital, bids are expected to be invited soon for the construction of 7 additional buildings, including a nurses' home for which an appropriation of \$300,000 to continue construction has passed the House and is expected to be approved by the Senate next session. Other buildings will include an observation ward, tuberculosis ward, infectious disease ward, laboratory, morgue and general ward. More than \$1,500,000 is now available for the work. A ward for 100 psychiatric patients will be arranged later in co-operation with the Veterans' Bureau, and the fourth floor of the main hospital building will be reconstructed as an operating suite.

Contract for \$350,000 St. Louis Building.

St. Louis, Mo.—General contract for the erection of the \$350,000 Clancy Building at Washington avenue and Eighteenth Street, this city, has been awarded to the McKelvey-Carter Construction Company, St. Louis, and work is expected to start at once. The building will be 106 by 150 feet, 10 stories, of steel, concrete and brick construction, with terra cotta trim, and cement, terrazzo and marble floors. The first three floors, with the exception of 12 small shops, will be occupied by the Langan Furniture Company and the remaining floors devoted to loft and office space. A sprinkler system will be installed. Aegerter & Bailey, St. Louis, are the architects.

\$250,000 Apartment Hotel for Wheeling.

Wheeling, W. Va.—Plans are being prepared by Fox, Duffy & Foose, Cleveland, Ohio, for a \$250,000 apartment hotel here to be financed by the Bankers Mortgage Company, of this city, H. A. Lampman, general manager. The building, to be known as the Edge-Mar, will be four stories, of structural steel, concrete, brick and ornamental terra cotta, and will be equipped with elevators, electric refrigeration and steam heat. A garage will be provided for tenants.

Paducah to Vote on \$800,000 Bonds for Light Plant.

Paducah, Ky.—An ordinance introduced by Mayor Ernest Lackey calling for an election November 6 on a bond issue of \$800,000 to build a city light plant, has been passed by the city council on its first reading. The ordinance was drawn by City Solicitor W. V. Eaton.

The city of Poplar Bluff, Missouri, is considering a bond election for improvements to its water system to cost about \$225,000.

\$1,000,000 Industrial Power Plant for St. Louis.

Ophuls & Hill, Inc., engineers of New York City, have been retained by Anheuser-Busch, Inc., St. Louis, to design and construct a modern industrial steam generating plant in St. Louis, at a cost of approximately \$1,000,000. Plans for the project call for removing some of the boilers in the Ninth Street power house and to provide room for the installation of three new boilers. These will be connected with the Second Street power plant of the company and the remaining boilers in the Ninth Street plant dismantled to make room for the installation of turbines and auxiliary machinery. As soon as the boilers have been dismantled, foundations will be constructed and necessary building changes made to accommodate the new boilers.

The plant will consist of three 1100-horsepower, 450-pound boilers with superheaters, to operate at a temperature of 600 degrees Fahrenheit. Two turbines of approximately 5,000 kilowatts will be used and arranged to bleed at 140 pounds into a 30,000-pound accumulator. Powdered coal will be used for firing. A portion of the steam will be used to operate generating units now designed for 140 pounds of steam and the balance for process work. The average steam consumption will be 170,000 pounds an hour, with a maximum of 260,000 pounds.

Building Addition to Oklahoma Power Plant.

Oklahoma City, Okla.—Steady progress is reported in the construction of the 30,000 kilowatt extension being made to the Horseshoe Lake Station at Harrah of the Oklahoma Gas and Electric Company, according to H. W. Fuller, vice-president in charge of engineering and construction for the Byllesby Engineering and Management Corporation. With the completion of the present extension the station will have a capacity of 65,000 kilowatts. The work in progress calls for the installation of two boilers, the first of which is scheduled to be finished by September 1 and the second on October 15. Two additional transmission lines will also be constructed, due to a rapidly growing demand for power in the Seminole and adjacent oil fields as well as a growth in the company's general business.

\$712,700 Low Bid on Atlanta City Hall.

Atlanta, Ga.—Low bid for the construction of Atlanta's proposed 15-story city hall has been submitted by the Seaboard and Southern Construction Company, Jacksonville and Atlanta, at \$712,700, while an alternate low bid for an 8-story building was submitted by the Southern Ferro Concrete Company, Atlanta, at \$558,240. The building will be of reinforced concrete and steel construction, with stone and terra cotta exterior, marble, tile and linoleum floors and tile roof. G. Lloyd Preacher & Company, Inc., of Atlanta, are the architects. Contract for the foundation was awarded to the H. G. Fleming Company, Chattanooga.

Wharf and Shed Completed at Charleston.

Charleston, S. C.—The Port Utilities Commission recently completed a 260-foot marginal wharf and shed at its Columbus Street terminals on Town Creek. While not an important job in itself, it is the first part of a construction program, which when completed will constitute one of the largest and most economical plants from an operating standpoint on the South Atlantic coast, it is said. Borings showed that the minimum length of piling that could be used was 70 feet, and under the column footings, 80 feet. Bents were spaced 10 feet on centers at right angles to the river, and piles were spaced 5 feet on centers. Creosoted material of 16 pound and

22 pound treatment was used throughout the structure, with the exception of a wearing deck of 2 by 10-inch tongue and groove material. A total of over 313,000 feet of lumber was used, together with 633 piles. At the south end of the structure is a 12-inch reinforced fire wall, 117 feet long with seven buttresses and two wings supported on 68 piles. The base of the wall is carried below the mean low water level, thus affording a complete fire barrier. Piles that were not cut off below the mud line were wrapped in felt and sheet copper. This type of wall is carried up to deck level, 12 feet above mean low water, and from this elevation a hollow concrete wall of Gunite construction is used.

A structural steel shed, 80 feet wide with a 12-foot canopy covering the platform on the track side, runs the entire length of the wharf, and serves either for storage or transit material. A complete system of water pipes has been installed to supply fresh water to ships and to six fire hydrants.

Firms engaged in construction work and who furnished the principal materials included the following in Charleston: J. F. Prettyman & Sons; Simons-Mayrant Co. and Salmons-Clements Co.; also the Virginia Bridge & Iron Co., Roanoke, Va., and H. H. Robertson Co., Pittsburgh, Pa.

Contracts on \$400,000 Building for Deaf Institute.

St. Louis, Mo.—General contract has been awarded by the directors of the Central Institute for the Deaf to the Dickie Construction Company, St. Louis, for the erection of a school and dormitory building here, estimated to cost \$400,000. The structure will be 216 by 80 feet, three and four stories. William B. Ittner, Inc., St. Louis, is the architect. Other contracts were awarded as follows, all firms of St. Louis:

Electric work—S & S Electric Company.
Heating—E. P. Ambler.
Plumbing—Edward C. Reisel Plumbing Company.

Lexington (N. C.) Gas Plant Contract Awarded.

Lexington, N. C.—Site has been surveyed and contracts awarded for the new gas plant to be erected here by the Atlantic Gas Company, Philadelphia, for the Lexington and Thomasville Gas Company, a subsidiary. Construction will be handled by the Atlantic Construction and Engineering Company, the construction division of the Atlantic Gas Company, while machinery contract has been awarded to the Gas Machinery Company, Cleveland, Ohio. The Southern Railway will construct a siding and trestle to the property.

Contracts for \$550,000 Port Arthur Hotel.

Port Arthur, Tex.—J. F. Goodhue, Beaumont, principal owner of the Marine Hotel Company, awarded contract to the Sneed Construction Company, Beaumont, for the concrete and steel joist frame construction on the proposed Goodhue Hotel here, for which the foundation piling has been completed. The building will be 11 stories, 130 by 75 feet, of reinforced concrete and brick, to cost about \$550,000. Tisdale, Stone & Pinson, Beaumont, are the architects.

8-Story Medical Arts Building for Baton Rouge.

Baton Rouge, La.—Frank Benson and associates, of Shreveport, are having plans prepared by Edward F. Neild, of that city, for an 8-story medical arts building here, the structure to be of steel and brick with stone trim. It will be equipped for doctors' offices.

Municipal improvement bonds in the amount of \$350,000, to bear an interest rate of 4¾ per cent, have been sold by the City of Vicksburg, Miss., to the Merchants Bank and Trust Company, Jackson.

no more slaking

BRIXMENT combines in one material all the advantages of portland cement and lime *with none of the disadvantages*. It's strong, it's plastic. It requires no slaking, no soaking. It can be mixed and used as soon as delivered. It spreads smoother and faster. It makes cleaner, neater joints and sticks to the brick.

These economies and many other advantages described in two handbooks, "BRIXMENT for Mortar" and "BRIXMENT for Stucco". Send for them.

LOUISVILLE CEMENT CO., Incorporated
General Offices: LOUISVILLE, KY.
Mills: Brixment, N. Y. and Speed, Ind.

DISTRICT SALES OFFICES
1610 Builders Building, Chicago
602 Murphy Building, Detroit
1015 Chestnut Street, Philadelphia
301 Rose Building, Cleveland



BRIXMENT

for Masonry and Stucco

FINANCIAL NEWS

Bond Issues Proposed

Ala., Birmingham—Public Improvement—City Comm. receives bids Aug. 21 for \$175,000 4½% bonds.

Ala., Birmingham—Grade Crossing Abolition—City Comm., C. E. Armstrong, Comptroller, receives bids Sept. 18 for \$1,000,000 \$1000 denom. not to exceed 4½% bonds.

Ark., Cotton Plant—Sewer, Water—City, S. M. Bush, Mayor, receives bids soon for \$100,000 bonds. 7-19

Fla., DeLand — Volusia County Commrs. plan \$25,000 to \$35,000 bond election to purchase remaining rights of way for State Road 4 through R.o Vista, Ormond and Holly Hill.

Fla., Fort Myers—Lee County Bd. of Public Instruction, J. C. Hurd, Chmn., rejected bids for \$50,000 6% coupon Special Tax School Dist. 11 bonds. 6-28

Fla., Hollywood—City, C. B. Moody, Mayor, plans \$765,000 bond election: \$250,000, water system; \$100,000, beautification; \$50,000, repair beach casino; \$50,000, fishing pier; \$15,000, yacht docking space; \$300,000, municipal improvement.

Fla., Palmetto—City plans receiving bids for \$35,000 bonds for white way lights and water system.

Fla., Quincy—Gadsden County Bd. of Public Instruction, C. H. Gray, Sec., receives bids Aug. 11 for \$110,000 bonds: \$100,000, 5½%, \$1000 denom. Special Tax School Dist. 1; \$10,000, 6%, \$500 denom. Special Tax School Dist. 5.

Fla., Stuart—City Comm., Edward Brobson, Atty., plans selling \$133,000 bonds: \$83,000 refunding; \$50,000, Dixie Hghway, recently voted. 7-12

Fla., Starke — Bradford County School Dist. vote Aug. 7 on \$40,000 bonds: \$20,000, Hampton Dist.; \$20,000, Lawtey Dist.

Fla., Tallahassee—School—City plans voting in Sept. on \$450,000 bonds.

Fla., Vero Beach—Refunding—City, H. G. Redstone, Clk., receives bids Aug. 9 for \$50,000 6% \$1000 denom. bonds.

Ga., Macon—Bibb County votes Nov. 6 on \$1,000,000 bonds: \$500,000, paving; \$500,000 school.

Ga., Woodland — Woodland Consolidated School Dist. voted \$30,000 bonds; Bd. of Trustees, J. H. Woodall, Chmn., plans receiving bids in about 30 days for bonds. 7-12

Ky., Louisville — Sewer — General Council approved submission on \$10,000,000 bond issue.

La., Gretna — Excess Revenue — Jefferson Parish Police Jury receives bids Aug. 24 for \$150,000 bonds; Wm. Hepting, Sec.

La., Opelousas—School—City voted \$40,000 bonds.

La., Plain Dealing—Town, B. J. Purcell, Mayor, rejected bids for \$90,000 water and sewer bonds.

Miss., Aberdeen—Bridge — Monroe County Bd. of Supvrs. plans election soon on \$150,000 bonds.

Miss., McComb—Paving—Bd. of Mayor and Selectmen, receives bids Aug. 7 for \$150,000 bonds.

Miss., Natchez — Adams County voted \$25,000 school bonds. 7-12

Miss., Quitman—School—City, J. L. Adams, Clk., receives bids Aug. 7 for \$50,000 Quitman Separate School Dist. bonds. 7-19

Miss., Wesson—Water—Mayor and Bd. of Aldermen, plan issuing \$12,000 bonds. Aug. 7.

Mo., Bismarck—Water—City votes Sept. 11 on \$47,000 bonds; Russell & Axon, Engrs., 1945 Ry. Exchange Bldg., St. Louis.

Mo., California—City votes Aug. 13 on \$28,000 water and \$8,000 sewer bonds. 6-7

North Carolina—Gov. A. W. McLean, Raleigh, notified Gov. Henry H. Horton, Nashville, Tenn., of North Carolina's readiness to issue \$2,000,000 bonds to complete Smoky Mountain Park, authorized by legislature; Tennessee, John Nolan, State Treas., will issue \$1,500,000 bonds.

N. C., Asheville—City plans \$500,000 bond issue for street improvement and city's share to build McDowell St. viaduct.

N. C., Charlotte—School—City Comm. may authorize \$100,000 bond issue, requested by School Bd.

N. C., Charlotte — Mecklenburg County Commrs., R. N. Hood, Chmn., receive bids Aug. 3 for \$1,200,000 notes, issued to anticipate courthouse and jail bonds fully authorized.

N. C., Durham—School—Durham County Commrs. may call \$50,000 bond election.

N. C., Wilmington—City plans receiving bids about Jan. 1, 1929, for \$100,000 fire tower and equipment bonds.

Okla., Hinton—City voted \$30,000 bonds: \$25,000, sewer; \$5000, city hall, jail.

Okla., Newkirk — Community Building — City plans voting in Aug. on about \$35,000 bonds.

Okla., Norman—Airport—City plans \$30,000 bond election.

Okla., Woodward—Clk., Bd. of Education, receives bids Aug. 6 for \$118,000 Woodward School Dist. bonds.

S. C., Anderson — Highway — Anderson County Commrs., Harold Zeigler, Clk., receives bids Aug. 13 for \$484,000 4½% \$1000 denom. bonds.

S. C., Columbia—Highway—Bd. of Coastal Highway Commrs., Wade Stackhouse, Chmn., Dillon, receives bids Aug. 14 for \$400,000 4½% \$1000 denom. bonds of Dillon, Florence, Williamsburg, Colleton, Beaufort and Jasper Counties.

S. C., Newberry—Bd. of Trustees, School Dist. 52, G. R. C. Gary, Clk., receives bids Aug. 7 for \$80,900 \$1000 denom. bonds.

Tenn., Jackson—Street—City, Lawrence Taylor, Mayor, considering bond issue.

Tenn., Jamestown—Road—Fentress County Judge will sell \$75,000 bonds.

Tenn., Pulaski—City votes Aug. 14 on \$65,000 bonds: \$47,000, machinery note retirement; \$18,000, floating debt.

Tex., Aransas Pass—City voted \$75,000 bonds: \$5500, refund; \$21,000, street; \$46,000, sewer; \$2500, city hall.

Tex., Barstow—Ward County rejected bids for \$60,000 5% Road Dist. 1 bonds. 6-28

Tex., Big Lake—Road—Reagan County considering \$204,000 bond election.

Tex., Cotton Center—Cotton Center Independent School Dist., E. A. Shackelford, Pres., Bd. of Trustees, votes Aug. 11 on \$50,000 bonds.

Tex., Dilley — Sewer — City voted \$35,000 bonds. 7-12

Tex., Donna—Donna Independent Dist. votes Aug. 7 on \$300,000 bonds; J. E. Wier, Sec.

Tex., Eden—City votes Aug. 9 on \$30,000 6% water works purchase bonds.

Tex., Fort Stockton—Pecos County, Howell Johnson, Judge, votes \$500,000 bonds: \$235,000, to retire road dist. bonds; \$265,000, roads; plans selling \$265,000 bonds. 6-28

Tex., Gainesville — Road — Cooke County Commrs. Court may call \$2,000,000 bond election last of August.

Tex., Houston—Improvement—City, W. A. Moore, Sec., votes Aug. 25 on \$2,950,000 bonds: \$1,750,000, street widening; \$200,000, sewer; \$600,000, paving; \$200,000, bayou drive improvement; \$200,000, macadamize streets.

Tex., Huntsville — Road — Walker County Commrs., P. H. Singletary, Judge, receive bids Aug. 8 for \$400,000 5% Series "L" bonds.

Tex., Lockhart—Paving—City votes Aug. 21 on \$100,000 bonds.

Tex., Lott—Water—City votes Aug. 7 on \$32,000 bonds.

Tex., Marlin—Road—Falls County Commrs. authorized \$25,000 6% warrants.

Tex., San Juan—Hidalgo County Water Improvement Dist. 2, A. Van Dresar, Gen. Mgr., votes Aug. 10 on \$3,000,000 bonds for drainage works. 7-19, under Pharr, Tex.

Tex., Sherman—City, O. J. S. Ellingson, Mgr., considering \$75,000 paving bond election.

Tex., Silverton — Road — Briscoe County voted \$40,000 Precinct 6 bonds. 6-28

Tex., Waco—City, Geo. D. Field, Sec., voted \$2,000,000 bonds: \$500,000, street; \$190,000, bridges, viaduct; \$250,000, storm sewers, drainage; \$70,000, fire stations and fire alarm headquarters; \$30,000, incinerator; \$225,000, city hall; \$75,000, airport; \$660,000, schools. 6-28

Va., Ettricks—Water, Sewer—Chesterfield County Bd. of Supvrs., Chesterfield, receive bids Aug. 6 for \$50,000 5% bonds. 7-12

Va., Radford—School—City, R. W. Arthur, Mgr., receives bids Aug. 28 for \$35,000 bonds. 7-5

Va., Purcellville—Water—City voted \$30,000 bonds. 7-12

Va., Radford—School—City voted \$35,000 bonds. 7-5

W. Va., Flemington—Bd. of Education Flemington School Dist., W. E. Tombllyn, Sec., receives bids Aug. 14 for \$75,000 5% \$500 denom. coupon bonds.

W. Va., Sutton—Road—Braxton County, Birch Dist., votes Aug. 18 on \$127,000 bonds.

Bond Issues Sold

Ark., Stuttgart—School—Bd. of Education sold 5% bonds to First State Bank of Stuttgart, and Merchants and Planters Title and Investment Co., Pine Bluff, 98.17.

Fla., Dade City—Road—Pasco County sold \$250,000 Greenfield Special Road and Bridge Dist. bonds to L. B. McLeod Construction Co., 416 Tampa St., Tampa, at par.

Fla., New Port Richey—Improvement—City sold \$65,000 6% \$1000 denom. bonds to First State Bank of New Port Richey, 93.

Ky., Carlisle—Water—City sold \$25,000 4½% \$500 denom. bonds to Deposit Bank of Carlisle, par.

La., Colfax—Water—City sold \$10,000 6% bonds to Rapides Bank & Trust Co., Alexandria, par.

La., Glenmora—Street—Town, L. B. Phillips, Clk., sold \$10,000 6% \$1000 denom. bonds to Rapides Bank & Trust Co., Alexandria, par. 6-28

La., Rayville — City sold \$60,000 street, water and sewer bonds to L. E. French & Co., Alexandria.

Md., Annapolis — Bd. of Public Works, John M. Dennis, State Treas., sold \$920,000 4% General Construction Loan of 1927 and \$150,000 4% Fifth Regiment Armory Plaza Loan of 1927 to Alexander Brown & Sons, Baltimore, 98.7711. 6-28

Md., Cumberland—City Clk. sold \$250,000 4½% \$1000 denom. Memorial Hospital bonds to John P. Baer & Co., Colston, Heald & Trail, Equitable Trust Co. and J. S. Wilson, Jr., & Co., all Baltimore, 103.136. 7-19

Miss., Vicksburg—Road—Warren County Bd. of Supvrs. sold \$250,000 4½% bonds to Prudden & Co., Toledo, Ohio, \$423 premium.

N. C., Asheville—Buncombe County sold \$700,000 6% revenue anticipation notes to W. O. Gay & Co., New York.

S. C., Springfield—Trustees of Springfield Consolidated School Dist. sold \$50,000 bonds to Ryan, Sutherland Co., Toledo, Ohio, par, and \$1610 premium.

S. C., Walterboro—Road—Colleton County Commrs. sold \$265,000 5% bonds to South Carolina Natl. Bank, \$2915 premium and accrued interest. 7-12

Va., Richmond—City, Landon B. Edwards, Comptroller, sold \$1,100,000 4½% bonds to Phelps, Fenn & Co., New York, and First National Co. of Detroit, Detroit, Mich., 99.52; \$400,000, sewer; \$400,000, school; \$300,000, general improvement. 7-19

New Financial Corporations

D. C., Washington—Empire Mortgage and Investment Co., capital \$250,000, incorporated; Kenneth M. Livingstone, 1317 F St., N. W.

Fla., Plant City—Citizens Bank of Plant City, capital \$50,000, organized; Geo. H. Wilder, Pres.; John T. Lowe, V.-P.; acquired assets and liabilities of defunct Farmers and Merchants Bank of Plant City.

Fla., West Palm Beach—Coastal National Farm Loan, formed; R. H. Hull, Pres.; Henry S. Pennock, V.-P., both Jupiter; Stafford Beach, Sec.-Treas., West Palm Beach.

Ga., Albany—City National Bank, capital \$100,000, chartered; W. B. Haley, Pres.; Leo Leader, Cashier.

La., New Orleans—Crescent Finance and Securities Co., Inc., capital \$20,000, chartered; Jos. H. Tucker, Pres., 316 Bermuda St.

La., New Orleans—National Finance and Securities Co., Inc., capital \$20,000, chartered; Max Blasser, Pres., 1723 Seventh St.

Magnolia Investment Co., Houston, Tex., plans increasing capital to \$105,000.

First National Bank, Mobile, Ala., D. P. Bestor, Jr., Pres., plans increasing capital, \$300,000 to \$1,000,000.

American Trust and Banking Co., Chattanooga, Tenn., plans increasing capital, \$500,000 to \$1,000,000.

WE extend the facilities of our organization to those desiring information or reports on companies with which we are identified.

Electric Bond and Share Company

(Incorporated in 1905)

Paid-up Capital and Surplus, \$115,000,000

Two Rector Street

New York

MUNICIPAL NOTES
COMMERCIAL PAPER
COLLATERAL LOANS

W. O. GAY
H. D. MONTGOMERY
G. C. DEMOREST

W. O. GAY & CO.

(Established 1894)

27 William St.

NEW YORK

BOSTON

PHILADELPHIA

We Buy Bonds

City, County, School and Road from
Municipalities and Contractors

WRITE

THE PROVIDENT SAVINGS BANK & TRUST CO.
CINCINNATI OHIO

Municipalities
Corporations
Railroads

Financed

MARX & CO.

BIRMINGHAM
ALABAMA

THE ROBINSON-HUMPHREY COMPANY
MUNICIPAL AND CORPORATION BONDS

Established 1894

ATLANTA, GA.

We Underwrite MUNICIPAL BONDS in States of
GEORGIA and SOUTH CAROLINA

We Buy and Sell

MUNICIPAL BONDS AND NOTES
CORPORATE PREFERRED
STOCK and BOND ISSUES

See Us on Southern Financing

R. S. DICKSON & CO.,
New York Greenville, S. C. Gastonia, N. C.
Goldsboro, N. C.

IF YOU WANT TO GET—
*Southern Business
Advertise in the*
MANUFACTURERS RECORD

NEW CAPITAL

for progressive companies

FROM utilities, industries and governments comes a steady procession seeking new capital.

WE are in position to extend loans to businesses whose history, management, property and outlook justify confidence.

GENERAL SECURITIES CORPORATION

INVESTMENT BANKERS
Birmingham, Alabama

New York Office—535 Fifth Avenue

First

—in AGE
—in SIZE
—in RICHMOND

And, since the merger of the two parent institutions, we feel that we can fairly say, First in Organization.

We shall be glad to hear from you by mail or in person.

FIRST AND MERCHANTS National Bank of Richmond

John M. Miller, Jr., President

Capital and Surplus Six Million Dollars

\$1,500,000 Bonds Proposed for West Virginia County.

Wellsburg, W. Va.—The Better Follansbee Association and the Wellsburg Kiwanis Club, two prominent civic organizations of Brooke County, have presented a proposal to the county court for calling an election on a bond issue of \$1,500,000 for the following improvements: New courthouse, \$400,000; retire road bonds, \$350,000; construct Cross Creek district roads, \$400,000, and build new roads in Buffalo district, \$350,000.

Southern Surety Company to Be Incorporated.

St. Louis, Mo.—The Southern Surety Company will be incorporated in New York, to acquire the business and assets of the Southern Surety Company of Iowa. Through a common ownership of stocks it will be allied with the Missouri State Life Insurance Company of St. Louis, this city, said to be the fourth largest purely stock life insurance company in the country. Its capital and surplus will be approximately \$5,000,000 and total assets over \$11,000,000.

Bank to Increase Stock \$300,000 to \$1,000,000.

Birmingham, Ala.—Stockholders of the First National Bank, of this city, are considering a proposal submitted by the board of directors for increasing the capital stock from \$300,000 to \$1,000,000 and declaring a 200 per cent stock dividend. The increase in capital will be effected by the issuance of 7000 shares of new stock at a face value of \$100 per share. Of this, 6000 shares will constitute a stock dividend to be divided among present stockholders in the ratio of two new shares for each old share held, and the remaining 1000 shares will be sold to the public at \$350 per share. A portion of the funds derived from the sale of the new stock will be used for the organization of a securities investment company.

New Securities Company Organized at Houston.

Organized primarily to deal in the purchase of first mortgage real estate notes, which will be placed in trust and collateral real estate bonds issued against them, the West Securities Company, Houston, Texas, was recently incorporated with a capital and surplus of \$2,500,000. J. M. West, president of the South Texas Lumber Company operating 32 lumber stores in the State, is chairman of the board of directors, and T. H. Monroe, vice-president of the South Texas Lumber Company, is president. Mr. West is also president and Mr. Monroe, vice-president, of the West Production Company, an oil producing organization, while other officers of the new securities company are also identified with these two companies.

Will Merge Nine Waterworks Systems.

For the purpose of consolidating nine water works systems in Idaho, Texas, Indiana, Michigan, Kentucky and Pennsylvania, the General Waterworks Corporation has been organized under Delaware laws. Operating companies of the new system, it is said, will include the Boise Water Corporation, Idaho; Breckenridge Water Company, Texas; Jersey Shore Water Service Company, Freeport Water Company, Portage Water Company and the Lloydell Water Company, all in Pennsylvania; Indiana Water Service Company, Indiana and Michigan; Winchester Waterworks Corporation, Kentucky, and the Texas Water Utilities Company, Texas.

The capitalization of the new company will consist of \$5,600,000 of 15-year 5 per cent, first lien and collateral trust gold bonds; \$1,650,000 of 3½-year 6 per cent, convertible debentures; 100,000 shares of no-par preferred stock authorized, of which 10,000 shares, \$7 series, will be outstanding

upon completion of financing, and 100,000 shares of no-par common stock authorized, of which 60,000 shares will be presently outstanding. The company is offering through Howe, Snow & Company, Inc., New York; E. H. Rollins & Sons, Boston, and H. M. Byllesby and Company, Inc., Chicago, its 5 per cent first lien and collateral trust gold bonds and its 6 per cent convertible gold debentures.

Maryland Sells \$1,070,000 Bonds.

State Treasurer John M. Dennis, Annapolis Md., has sold \$920,000 general construction loan bonds of the State and \$150,000 Fifth Regiment Plaza loan bonds to Alexander Brown and Sons, Baltimore, at 98.7711. The bonds bear an interest rate of 4 per cent.

Richmond Sells \$1,100,000 Improvement Bonds.

Richmond, Va.—Improvement bonds totaling \$1,100,000 have been sold to Phelps, Fenn & Company, New York, and the First National Company of Detroit, on a bid of 99.52. The bonds will bear interest at 4¼ per cent and will be apportioned as follows: Sewers, \$400,000; school, \$400,000, and general improvements, \$300,000.

Tallahassee to Expend \$450,000 for Schools.

Tallahassee, Fla.—The Board of Education is having plans prepared by Edwards & Sayward, Atlanta, for a \$250,000 high school building, \$125,000 grammar school building, and a \$75,000 building for negroes here. All buildings will be 2 stories and basement, with brick walls and stone trim, wood joist construction, fireproof stairways and corridors, built-up roofs and concrete boiler rooms. Steam heat will be installed.

Contracts on \$750,000 Corpus Christi Hotel.

The McKenzie Construction Company, of San Antonio, Texas, general contractor for the erection of the proposed Plaza Hotel at Corpus Christi, for Smith Brothers, Nixon and Associates, advises that contract for electric wiring has been awarded to Graham & Collins and contract for plumbing and heating to A. H. Shafer, both of San Antonio. The building will be 12 stories and basement, with roof garden, and will contain 200 rooms. It will be of reinforced concrete and brick, with cast stone or terra cotta trim, and will cost about \$750,000, including \$150,000 for laundry and furnishings. Adams & Adams, San Antonio, are the architects.

Farm Returns in 1927.

Improvement in the financial returns of farms last year is shown in the annual survey by the Department of Agriculture, reports from all parts of the country showing an average net return of \$1290 for 1927, as compared with \$1133 in 1926. Gross receipts were larger than in 1926, expenses were about the same in both years, and the cash balance was higher than in 1926.

The average size of the farms reporting for 1927 was 275 acres, with an average investment of \$15,445. Average gross receipts were \$2505, consisting of \$978 from sales of crops, \$851 from sales of livestock, \$638 from sales of livestock products and \$38 from miscellaneous other items. Average current cash expenses in 1927 totaled \$1457, consisting of \$397 for hired labor, \$238 for livestock bought, \$243 for feed bought, \$64 for fertilizer, \$49 for seed, \$180 for taxes on farm property, \$129 for machinery and tools and \$157 for miscellaneous items.

Receipts less cash expenses averaged \$1048, in addition to which these farmers used home-grown food products valued at an average of \$273. The farmers reported an increase of \$242 in inventory values.

YOUR BUSINESS SOLICITED
Particular attention given to financing
SOUTHERN PROPERTIES



Special Deposits
Real Estate Loans
Trust Facilities
High Grade Bonds

THE CENTURY TRUST COMPANY
of Baltimore

Capital \$1,000,000

Surplus \$1,700,000

Delaware Corporations
Forms, Law and Pointers
Estimates of Cost Furnished Without Cost
DELAWARE REGISTRATION TRUST CO.

100 West Tenth Street
Wilmington, Del.

J. Ernest Smith, President and General Counsel.
Chas. Warner Smith, Vice-President.
Harry W. Davis, Secretary and Treasurer.

WILMER BLACK, C. P. A. ROBERT W. BLACK, C. P. A.

BLACK & COMPANY
CERTIFIED PUBLIC ACCOUNTANTS

OFFICES:

Suite 905 GARRETT BUILDING - BALTIMORE, MD.
Suite 403 FIRST NAT'L BANK BLDG - HAGERSTOWN, MD.

Read the Classified Ads
Every Week

They are constantly changing, presenting new opportunities in each issue to make or save money.

Don't miss an issue, as you may overlook just the opportunity you are seeking.

Use the Classified Ads
When You Want

- A position or agency
- An employe, agent or salesman
- An investment of any kind
- A new location for your factory, business or home
- A purchaser for your industrial plant, building, city property, mineral, timber or farm land.

Look over the "Classified Opportunities" department, and if you do not see what you want tell our readers through an advertisement. The cost is comparatively moderate and you will be gratified with the results.

Ask for folder containing rates and further information, also a few of the many testimonials we have received from advertisers.

HERE YOU FIND
COOPERATION and CONSERVATISM

which is proving good for both borrowers and depositors, and may be called the keystone of our success.

BALTIMORE COMMERCIAL BANK

GWYNN CROWTHER, President

26 South Street, Baltimore, Md.

Capital and Surplus \$1,350,000.00

Member Federal Reserve System

1884

Southern men and women who lived in, or visited Baltimore in the period when this Company was established—which was the year of 1884—will be interested, we believe, in our anniversary book "The Early Eighties: Sidelights on the Baltimore of forty years ago." A copy will be sent upon request.

MERCANTILE TRUST & DEPOSIT CO.
OF BALTIMORE

Resources \$21,000,000 A. H. S. POST, Pres. F. G. BOYCE, Jr., Vice-Pres.

THE BANK OF ALABAMA

ENSLEY, ALABAMA

R. A. TERRELL.....President
J. W. MINOR.....Vice-President
FOSTER HAMILTON.....Cashier

We Solicit Your Business

YOUNG & SELDEN COMPANY

MANUFACTURING

Bank and Commercial Stationers

BALTIMORE, MD.

THE OSCAR T. SMITH & SON CO.

Manufacturing

BANK AND COMMERCIAL STATIONERS

407-9-11 E. Saratoga Street

BALTIMORE, MD.

CHARACTER

QUALITY

— SERVICE —

Creating New Uses of Cotton—Much Can Be Done Within the Industry Itself.

Greensboro, N. C.—Cotton is in high favor as the fashionable fabric of the season, according to Ernest C. Morse, in charge of the New Uses Section of the Cotton-Textile Institute, Inc., who spoke here at the annual convention of the Cotton Manufacturers' Association of North Carolina. "Distinctive styles that are better adapted to cotton than to any other fabric are being created by American mills and stylists. One of the results of these efforts is to bring new and increased recognition of the merits of cotton fabrics in fashion."

Discussing "Methods of Creating New Uses of Cotton," Mr. Morse urged all elements of the industry to increase the use of cotton by specifying cotton wherever possible. Further he said:

"It is worth remembering that a great deal can be done within our own industry. We need only a complete willingness to think more in terms of cotton and its usefulness, whether on the farm, in the mill or in the home. Everyone in cotton producing and manufacturing communities has a definite interest in the prosperity of this industry."

"If we examine our industry for practical methods of increasing the use of cotton it will be apparent that there are a number of ways this can be done. Consider belts and belting required in every one of our mills. In studies we have made we are told by representative mill engineers that there are now on the market satisfactory belts made of cotton duck. If during the next year cotton mills specified fabric belting for the replacement of old belts and belting it is estimated that the consumption of this cotton fabric would be increased at least 3,000,000 yards. The trucks and baskets used in our mills are another example of equally large potential use of cotton fabric. Many of these have bodies and wheels of some other material. Canvas bodies, baskets and wheels of canvas are available and have been found satisfactory as well as more economical. Probably no one knows how many million trucks and baskets are now in use, but if fabric tires were used on all trucks in cotton mills there would be required for this purpose at least 3,000,000 yards of heavy cotton fabric."

"Bags in which starch is shipped to cotton mills require the use of 750,000 yards of fabric each year. Last year 35 per cent of these shipments were in cotton containers. A large part of the remainder might have been cotton if cotton had been specified."

"Many mills have stores or commissaries which handle quantities of groceries and other supplies. One mill executive has shown what can be done to increase the use of cotton by urging the wholesalers and dealers from whom his store obtains its supplies to use cotton containers wherever possible."

"The extensive program of public works improvement which is being carried forward in States where cotton is produced and manufactured suggests another opportunity for individuals in this industry to demonstrate their interest in cotton. Cement required for this work can be shipped more economically in cotton sacks, but other materials are often used unless cotton is specified. One State last year, by specifying that its cement for public works be shipped in cotton, accounted for increasing the use of cotton bagging by 310,000 square yards."

"These are only a few instances which illustrate how those who have a direct interest in the progress and prosperity of this industry can express that in a way which means additional consumption of the industry's products."

"I am not asking that cotton fabrics be used for any sentimental reason, but we know that there are many times when good business and sound economy dictate the use of cotton. These same reasons suggest greater usefulness for other purposes where cotton is not being used as extensively as it might be. By taking advantage of every such use, whether the beginning be large or small, and by continually thinking in terms of cotton, it would be possible to increase the consumption of this industry's products by a surprisingly large volume."

\$200,000 Courthouse for Texas County.

Pampa, Tex.—Plans have been completed by W. R. Kaufman, local architect, for a \$200,000 courthouse for Gray County, the structure to be 4 stories, 120 by 86 feet, the first story of cut stone and remaining floors of brick.

50-Room Addition for Savannah Hotel.

Savannah, Ga.—A 50-room addition to the De Soto Hotel here is a part of the improvements planned for this property by J. B. Pound, Chattanooga, who has completed arrangements for the betterments. The exterior will be remodeled and other improvements made.

\$300,000 Medical Arts Building for Tampa.

Tampa, Fla.—Plans are being prepared by Schumacher & Winkler for a \$300,000 medical arts building to be erected here by W. A. Binnio. The structure will be 10 stories, of brick and reinforced concrete and will provide for five stores on the ground floor.

Two-Thirds of Country's Fertilizer Consumed in South.

According to a recent issue of the Guaranty Survey, published monthly by the Guaranty Trust Company of New York, considerable improvement is found in the fertilizer industry. In part, it says:

"Manufacturers of fertilizers last season, which ended with April of this year, enjoyed the combination of well sustained prices for their products and a steadily increasing volume of sales. Sales of fertilizers in the Cotton Belt during the 1927-8 season exceeded those of the preceding season by approximately 30 per cent and are the largest on record."

"The substantial progress achieved in eliminating harmful competition and the adoption of more stringent credit sales policies are favorable developments within the industry itself. The combination of these elements with prospects for a fairly large agricultural income during the coming season is of distinct encouragement to the fertilizer manufacturers."

"Sales of fertilizer tax tags, which reflect the volume of demand for immediate consumption, in the five-month period from December, 1927, to April, 1928, represented 5,028,172 tons of fertilizer sold, which compares with 3,916,682 tons sold in the corresponding interval a year ago and 4,592,022 tons two years ago. This expansion of fertilizer sales during the last season, which just closed, is a reflection of the improved position of the agricultural districts, particularly the cotton-growing sections, this year."

"Since about 66 per cent of all fertilizer consumed in the United States is utilized in the Cotton Belt, and approximately half of this is used in raising the cotton crop, the sales and prosperity of the fertilizer industry are closely dependent upon the price and yield of cotton, which together determined the total volume of income to the producer. This relationship between the cash yield of the crop and the fertilizer situation is characteristic of those industries whose output is distributed solely to one class of consumer, which in this case is the farmer."

The Wall Street News stated recently that farmers have embarked on a stupendous soil feeding program, as indicated by the large bulk of fertilizers bought in 12 leading cotton and tobacco producing States. Over 4,765,000 tons of commercial fertilizers were purchased in the first four months of the current year, exceeding by 1,032,000 tons, or 27 per cent, the total tonnage purchased the first four months of 1927, and 71 per cent higher than that purchased for the corresponding period of 1922.

"This year's large consumption of commercial fertilizers is closely related to the fact that the farmers of America received \$586,000,000 more for their cotton, tobacco and corn crops in 1927 than they did in 1926," said J. N. Harper, co-director of the Agricultural and Scientific Bureau of the potash industry, which in collaboration with Cornell University has determined the correlation between crop values and fertilizer consumption.

The City of Jacksonville, Fla., has sold a bond issue of \$702,000 to the Equitable Trust Company and Howe, Snow & Company, Inc., both of New York, at \$711,260.



PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close August 27, 1928.

U. S. ENGINEER OFFICE, Galveston, Tex. Sealed proposals will be received here until 12 M. August 27, 1928, and then opened, for dredging Channel from Galveston Harbor to Texas City, Texas. Further information on application.

Bids close August 15, 1928.

U. S. ENGINEER OFFICE, Galveston, Tex. Sealed proposals will be received here until 12 M. August 15, 1928, and then opened, for dredging Channel between Aransas Pass and Corpus Christi, Texas. Further information on application.

Bids close August 15, 1928.

U. S. CAPITOL, Office of the Architect, Washington, D. C., July 24, 1928.—Sealed proposals will be received at this office until 2 o'clock P. M. on the 15th day of August, 1928, and then publicly opened, for the construction of a high-tension conduit system or duct line between the Capitol Power Plant and the U. S. Capitol, in accordance with the specifications, copies of which may be had by addressing David Lynn, Architect of the Capitol, Washington, D. C.

Bids close August 31, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., July 30, 1928.—SEALED BIDS will be opened in this office at 3 P. M. August 31, 1928, for the construction of the U. S. Postoffice at Newark, Del. Drawings and specifications, not exceeding six sets, may be obtained at this office, in the discretion of the Supervising Architect by any satisfactory general contractor, and provided a deposit is made of \$15 for each set to assure its prompt return. Checks offered as deposits must be made payable to the order of the Treasurer of the United States. JAS. A. WETMORE, Acting Supervising Architect.

Bids close August 8, 1928.

Sealed Bids, indorsed "Bids for Refrigerator, Specification No. 5652," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock A. M. August 8, 1928, and then there publicly opened, for refrigerator, refrigerating display counter and an automatic refrigerating machine at the Navy Yard, New York, N. Y. Specification No. 5652 may be obtained on application to the Bureau or to the Commandant, Navy Yard, New York, N. Y. Deposit of a check or postal money order for \$5, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the specification. L. E. Gregory, Chief of Bureau, July 2, 1928.

Bids close August 14, 1928.

\$65,000 Sewer Bonds

Highland (P. O. Hickory), N. C. Proposals will be received by Town of Highland, North Carolina, at 7 P. M. August 14, 1928, for the purchase of \$65,000 of Sewer Bonds of said municipality, dated August 1, 1928, and maturing on said day and month in each year as follows: \$1000, 1931 to 1935, both inclusive; \$2000, 1936 to 1965, both inclusive.

Interest payable semi-annually, both principal and interest payable in the City of New York; denominations of \$1000 each, bidders to name the interest rate.

All bids must be on forms furnished by the undersigned, and each bid must be accompanied by a certified check upon an incorporated bank or trust company, payable to order of undersigned official, or a sum of money for or in an amount equal to two per centum of face amount of bonds paid for, to secure the municipality against any loss resulting from failure of bidder to comply with terms of his bid.

CHAS. E. HEFNER, Clerk.
Trinity, N. C.

(Highland is in Catawba County adjoining City of Hickory. Assessed \$1,765,000. Total debt \$151,000. Net debt \$107,266.58. Population 2250.)

RATE: 35 cents per line per insertion.

PUBLICATION DAY: Thursday.

FORMS CLOSE: 4 P. M. Monday.

DAY LETTER: When too late to send Copy by mail to reach us by 4 P. M. Monday, forward by day letter.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close August 7, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., July 17, 1928.—SEALED BIDS will be opened in this office at 2 P. M. August 7, 1928, for constructing a new retaining wall and concrete gutters at the Federal Industrial Institution for Women, Alderson, W. Va. Drawings and specifications may be obtained from the construction engineer at the institution or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close August 14, 1928.

\$400,000 Highway Bonds

COASTAL HIGHWAY BONDS OF THE COUNTIES OF DILLON, FLORENCE, WILLIAMSBURG, COLLETON, BEAUFORT AND JASPER, SOUTH CAROLINA.
(JOINT COUNTY OBLIGATIONS)

Columbia, S. C.

Sealed bids, addressed to the undersigned, will be received by the Board of Coastal Highway Commissioners at the office of the State Treasurer of South Carolina, in Columbia, South Carolina, until Tuesday, August 14, 1928, at 12 o'clock M., for the purchase of \$400,000 Coastal Highway Bonds of the Counties of Dillon, Florence, Williamsburg, Colleton, Beaufort and Jasper, maturing \$44,000 of bonds on February 1 in each of the years 1931 to 1938, inclusive, and \$48,000 of bonds on February 1, 1939. Bonds dated August 1, 1928. Interest payable semi-annually (February 1 and August 1). Coupon bonds, registerable as to principal only, payable in New York in gold. Denomination \$1000. General joint obligations of the six counties, issued under Act No. 756 of the Acts of 1926. The payment of these bonds is secured not only by a sufficient levy on all taxable property in the six counties (the primary fund for payment), but also by a so-called Reimbursement Agreement between the counties and the State Highway Commission of South Carolina, the bonds being issued for the construction of State Highways.

The bonds will bear interest from their date at the rate of four and one-half per centum (4½%) or four and three-quarters per centum (4¾%) per annum, the rate to be named by the bidder. No bid for 4¾% bonds will be considered if a legally acceptable bid is received for 4½% bonds.

Purchasers will be furnished with approving opinion of Messrs. Reed, Hoyt & Washburn of New York.

A certified check, payable to the order of the Board of Coastal Highway Commissioners, or cash for 2% of the face amount of bonds bid for must accompany bid.

The right is reserved to reject any and all bids.

Dated July 27, 1928.

WADE STACKHOUSE, Chairman,
Board of Coastal Highway Commissioners.
E. T. H. SHAFFER, Secretary,
Board of Coastal Highway Commissioners.

Bids close August 28, 1928.

\$35,000 4½% School Bonds

Radford, Virginia.

Sealed bids will be received 1 P. M. August 28 for \$35,000 issue of School Bonds at 4½% interest. Right is reserved to reject any or all bids. Address

R. W. ARTHUR, City Manager.

Bids close August 7, 1928.

\$60,000 6% Notes

Fort Pierce, Fla.

The Board of County Commissioners of St. Lucie County, Florida, will open sealed bids at Fort Pierce, Florida, at 2 o'clock P. M. August 7, 1928, for sale of \$60,000 6% Coupon Road and Bridge Negotiable Notes, dated August 1, 1928, maturing serially each year from 1930 to 1949.

For circular with full information address P. C. Eldred, Clerk Board of County Commissioners, Fort Pierce, Florida.

Bids close September 18, 1928.

\$1,000,000 Grade Crossing Abolition Bonds

Birmingham, Ala.

Sealed proposals will be received by the Commission of the City of Birmingham, Alabama, until 12 o'clock noon of Tuesday, September 18, 1928, at the City Hall of Birmingham, Alabama, for the purchase of \$1,000,000 (One Million Dollars) Grade Crossing Abolition Bonds, dated October 1, 1928, maturing as follows:

Beginning with Bond No. 1 and maturing in numerical order, 200 bonds October 1, 1929, and 200 bonds each year thereafter from date of issue.

The rate of interest on all of said bonds shall not exceed 4½% per cent (four and three-fourths per centum) per annum, payable semi-annually on the first day of April and October of each year, the option being given to the bidder to use any of the following rates as a basic rate: 4, 4¼, 4½ or 4¾ per cent; provided, however, that the bidder shall use the lowest of the said basic rates at which he shall pay par or more for said bonds. Said bonds shall be of the denomination of \$1000 each, principal and interest being payable in gold coin at the Hanover National Bank, New York City, N. Y.

The Commission will furnish to the purchaser the opinion of Messrs. Thomson, Wood & Hoffman, Attorneys and Counselors at Law, of New York City, approving the legality and validity of said bonds, and a certified copy of all proceedings will be furnished showing authority to issue said bonds.

Said bonds are secured by the full faith and credit of the City of Birmingham, Alabama, and by the taxing powers of said City heretofore, now or hereafter conferred upon it by law. Said bonds and the interest thereon are exempt from State, County and Municipal taxation, and after the maturity thereof are receivable in payment of all taxes and dues to the City of Birmingham, Alabama. Each proposal must be accompanied by a certified check, payable to the City of Birmingham, in the sum of one per centum (1 per cent) of the amount of the bonds bid for as an evidence of good faith and security for the performance of such proposal, and as liquidated damages in the event of failure of the successful bidder to accept and pay for the bonds. All bids must include accrued interest to date of delivery of bonds. No interest will be allowed on certified checks accompanying bids. Bonds will be delivered to the successful bidder or bidders on October 1, 1928, unless a later date should be mutually agreed upon. The right is reserved to reject any and all bids.

City of Birmingham bonds are on the legal list of New York and Mass.

Approved July 24, 1928.

C. E. ARMSTRONG,
City Comptroller,
Birmingham, Alabama.

Bids close August 10, 1928.

Roads and Bridges

Nashville, Tenn.

Sealed bids will be received by the State of Tennessee, Department of Highways and Public Works, at their offices in the Memorial Building, Nashville, at 10 A. M. Friday, August 10, 1928, and opened publicly at that hour, for the construction of the following projects:

COUNTY PROJECT NO. 1, LAUDERDALE COUNTY—Grading and drainage of 10,000 miles of COUNTY Highway between Ripley and a point near Edith.

S. B. P. NO. 10, MEIGS COUNTY—The construction of a concrete and steel bridge over the Hiwassee River on State Highway No. 58 between Georgetown and Decatur.

PROJECT NO. 75-B, DAVIDSON COUNTY—Construction of 0.906 miles of pavement on State Highway No. 1 between Nine Mile Hill and N. C. & St. L. Overhead. The grading and drainage of this project has been completed under a former contract.

PROJECT NO. 93-B, RUTHERFORD COUNTY—The construction of a concrete overhead and approaches over the N. C. & St. L. Railway near Murfreesboro on State Highway No. 10.

PROJECT NO. 108-B-C, FRANKLIN COUNTY—Construction of bituminous surface treatment on 10,000 miles of State Highway No. 16 between Winchester and Cowan and Winchester and Decherd.

PROJECT NO. 147-B, CARROLL COUNTY—Grading and drainage of 13.494 miles of State Highway No. 76 between Atwood and McKenzie. Bids for six steel and treated timber bridges will be received separately.

PROJECT NO. 170-C, MARION COUNTY—Grading and drainage of 3.780 miles of State Highway No. 2 between Pin Hook and Jasper.

PROJECT NO. 209-A, CUMBERLAND COUNTY—The construction of two concrete bridges on State Highway No. 1 between Ozone and Westel.

PROJECT NO. 315-C, DECATUR COUNTY—Grading and drainage of 4.559 miles of State Highway No. 69 between Decaturville and Parsons. Bids for one bridge over 20-foot span will be received separately.

PROJECT NO. 322-A, 323-A, 509-A, MEMPHIS AND MONROE COUNTIES—Construction of surface treatment on 27.200 miles of State Highway No. 33 between Etowah and Little Tenn. River.

PROJECT NO. 330-A, OBION COUNTY—Construction of 6.202 miles of pavement on State Highway No. 22 between Union City and the Weakley County line. The grading and drainage of this project has been completed under a former contract.

PROJECT NO. 331-A, WEAKLEY COUNTY—Construction of 5.549 miles of pavement on State Highway No. 22 between the Obion County line and Martin. The grading and drainage of this project has been completed under a former contract.

PROJECT NO. 331-B, WEAKLEY COUNTY—Construction of 8.449 miles of pavement on State Highway No. 22 between Martin and Dresden. The grading and drainage of this project has been completed under a former contract.

PROJECT NO. 333-A-C, WARREN COUNTY—Construction of bituminous surface treatment on 12,000 miles of State Highway No. 56 between McMinnville and the Grundy County line.

PROJECT NO. 356-A, HAMILTON COUNTY—Construction of 1.127 miles of pavement on State Highway No. 2 between Chattanooga and Lookout Mountain. The grading and drainage of this project has been completed under a former contract.

PROJECT NO. 369-C, LEWIS COUNTY—The construction of a concrete substructure for a bridge over Trace Creek on State Highway No. 48.

PROJECT NO. 375-C, MONTGOMERY COUNTY—The construction of a concrete and steel bridge over West Fork Red River on State Highway No. 12 at Ringgold.

PROJECT NO. 379-D, JEFFERSON COUNTY—Grading and drainage of 11.343 miles of State Highway No. 9 between a point near the Sevier County line and Dandridge. Four bridges over 20-foot span will be included with the roadway contract.

PROJECT NO. 379-E, COCKE COUNTY—Grading and drainage of 7.603 miles of State Highway No. 9 between Newport and the end of F.A.P. No. 23. Two bridges over 20-foot span will be included with the roadway contract.

PROJECT NO. 381-C, DAVIDSON COUNTY—The construction of two concrete bridges on State Highway No. 6 between Nashville and Williamson County line.

PROJECT NO. 382-B, MONTGOMERY-ROBERTSON COUNTIES—Grading and drainage of 7.085 miles of State Highway No. 11 between Guthrie and Adams.

PROJECT NO. 383-B, GILES COUNTY—Grading and drainage of 12.879 miles of State Highway No. 15 between Pulaski and the Lincoln County line. Bids for ten bridges over 20-foot span will be received separately.

PROJECT NO. 399-B, BRADLEY COUNTY—Construction of bituminous surface treatment on 10,200 miles of State Highway No. 60 between Cleveland and the Polk County line.

PROJECT NO. 505-A, DICKSON COUNTY—Grading and drainage of 7.016 miles of State Highway No. 48 between Dickson and Charlotte.

PROJECT NO. 506-A, HAMILTON COUNTY—Grading and drainage of 6.085 miles of State Highway between Chattanooga and Silverdale. Two bridges over 20-foot span will be included with the roadway contract.

PROJECT NO. 508-A, HICKMAN COUNTY—Grading and drainage of 5.810 miles of State Highway between Wrigley and a point near the Williamson County line.

PROJECT NO. 510-A, CUMBERLAND COUNTY—Construction of surface treatment on 7,000 miles of State Highway No. 1 between Ozone and the Roane County line.

PROJECT NO. 511-A, BLEDSOE COUNTY—Construction of bituminous treatment on 15,000 miles of State Highway No. 28 between Pikesville and the Cumberland County line.

PROJECT NO. 512-A, RUTHERFORD COUNTY—Grading and drainage of 3.250 miles of Highway between State Highway No. 1, near Smyrna, and the Jefferson Pike.

PROJECT NO. 513-A, DICKSON COUNTY—The construction of a concrete bridge over Piney Creek on State Highway No. 48 south of Dickson.

Bidder's bond on the form furnished with the proposal from a surety acceptable to this Department or certified check, made payable to this Department, in the amount of not less than five per cent (5%) of the total bid must accompany the bid as evidence of good faith and as guarantee that, if awarded the contract, the bidder will execute and give bond as required.

Plans are furnished at cost, with no refund. Standard Specifications are furnished at a charge of \$1.00, with no refund. Proposals are furnished free of charge.

The right to reject any or all bids is reserved.

HARRY S. BERRY,
Commissioner.

Bids close August 7, 1928.

Concrete Highway

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION

NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building one section of State Highway as follows:

Anne Arundel County, Contract No. AA-60—One section of State Highway on the Glen Burnie-Dorsey Road through Harman's for a distance of 0.68 mile. (Concrete.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 7th day of August, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 30th day of July, 1928.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids close August 14, 1928.

Sanitary Sewer System

York, Ala.

Sealed bids will be received by the Town of York, Alabama, at the office of Town Clerk until 5 P. M. August 14, 1928, and at that time publicly opened, for the construction of a sanitary sewer system under Improvement Ordinance No. 101, the same being located in the Town of York, Alabama. The principal items of work are approximately as follows:

26,300 Lin. Ft.	8-inch Sanitary Sewer.
1,390 Lin. Ft.	10-inch Sanitary Sewer.
380 Lin. Ft.	12-inch Sanitary Sewer.
2,730 Lin. Ft.	15-inch Sanitary Sewer.
1,030	8 inch x 4 inch Wyes.
46	10 inch x 4 inch Wyes.
60	15 inch x 4 inch Wyes.
82	Manholes.

Plans and specifications are on file in the office of the Town Clerk at York, Ala., and in the office of the Consulting Engineers, Birmingham, Alabama. Specifications and proposal blanks can be secured on deposit of \$5 from the undersigned or from the Consulting Engineers. Copy of the plans will be mailed by the Consulting Engineers on receipt of payment (not deposit) of \$5.

The right to reject any or all bids is reserved.

Cash or certified check or proposal bond for Five Thousand Dollars, made payable to the Town of York, Alabama, must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

H. L. HOOT, Mayor.

ROBERT L. TOTTEN, INC.,
Consulting Engineers,
Birmingham, Ala.

Bids close August 10, 1928.

Gate Valves

Dallas, Texas.

Sealed bids will be received in the office of the undersigned until 10 A. M. August 10, 1928, for furnishing the City of Dallas with the following:

Five 16-inch Gate Valves, vertically operated, without by-pass or gearing.
Two 18-inch Gate Valves, vertically operated, without by-pass or gearing.
Five 24-inch Gate Valves, horizontally operated, with by-pass and bevel gear.
Eight 30-inch Gate Valves, horizontally operated, with by-pass and bevel gear.
Sixteen 36-inch Gate Valves, horizontally operated, with by-pass and bevel gear.
Two 36-inch Gate Valves, vertically operated, hydraulic control.

All valves shall be subjected to a hydrostatic test of three hundred pounds at the factory and guaranteed for a working pressure of one hundred and fifty pounds. They shall be iron body, bronze mounted, double gate and made in strict conformity to the latest specifications of the American Water Works Association.

Bidders will be required to furnish with their bids detail drawings, specifications and weights of the valves they propose to furnish. Any bid shall be considered informal that does not include these data. Bidders will also be required to furnish satisfactory evidence that they have had the necessary experience in the manufacture of high-grade water-works gate valves; also that they have sufficient capital and equipment available to insure prompt construction and delivery. Proposals will be received for standard hub-end valves only for sizes 16-inch to 24-inch, inclusive; for 30-inch and 36-inch valves proposals are required for standard flange connections as an alternate. All prices quoted are to be f. o. b. cars, Dallas, Texas.

The Mayor and Board of Commissioners reserve the right to reject any or all proposals, to waive any informality, to accept any proposal, whether lowest or not, other than the low bidder's proposal, considered most advantageous to the city. No contract shall be entered into until executed by the Mayor and approved by the Board of Commissioners, according to specifications and plans and such additional terms and conditions as may be provided by the Board of Commissioners.

Envelopes must be marked "Bids on Gate Valves."

M. G. JAMES, City Secretary.

Bids close August 14, 1928.

Well Drilling

River Junction, Fla.

Sealed proposals on blank forms, furnished by the town, addressed to the "MAYOR AND COUNCIL, RIVER JUNCTION, FLORIDA," will be received at the Town Hall in River Junction, Florida, until 7.30 o'clock P. M. August 14, 1928, for furnishing all material, equipment and labor necessary for the drilling and completion of one or more deep wells. Bids will be considered on wells ranging in size from fourteen (14) down to six (6) inches in diameter.

Each bid shall be accompanied by a certified or cashier's check in the sum of not less than two hundred and fifty (\$250) dollars, made payable to W. L. Shepard, President, Town Council, as evidence of good faith upon the part of the bidder.

Specifications may be seen at the offices of the Town Clerk and the Engineers, and may be obtained from the Engineers upon payment of one dollar to cover cost of reproduction.

The right is reserved to reject any or all bids.

TOWN OF RIVER JUNCTION, FLORIDA.

B. F. BARNES, Mayor.

B. T. HUNT, Clerk.

H. S. JAUDON ENGINEERING CO.,

Engineers,

Leesburg, Florida.

Bids close August 6, 1928.

Sewers and Appurtenances

Towson, Md., July 16, 1928.

Sealed proposals addressed to the County Commissioners of Baltimore County and endorsed bids for excavation for and laying of sewers and appurtenances in the vicinity of "ARBUTUS" and "HALETHORPE," Contract 12-S, will be received at their office in the Court House, Towson, Md., until 11 A. M., Eastern standard time, on August 6, 1928, next, when they will be publicly opened and read.

APPROXIMATE QUANTITIES

SECTION NO. 2, HERBERT RUN SEWER CONTRACT NO. 12-S

812 Lin. Ft. 6-inch T.C. House Connections.

700 Lin. Ft. 8-inch T.C. Sewer.

56 Lin. Ft. 16-inch C.I. Sewer.

443 Lin. Ft. 18-inch T.C. Sewer.

254 Lin. Ft. 20-inch T.C. Sewer.

353 Lin. Ft. 22-inch T.C. Sewer.

1337 Lin. Ft. 24-inch T.C. Sewer.

705 Lin. Ft. 27-inch T.C. Sewer.

4640 Lin. Ft. 30-inch T.C. Sewer.

38 Lin. Ft. 30-inch Brick and Concrete Sewer.

1030 Lin. Ft. 33-inch T.C. Sewer.

393 Lin. Ft. Brick Manholes.

5000 Cubic Yards Rock Excavation.

All bids must be signed and alternate bids separately totaled in the spaces provided. Each bid must be accompanied by a certified check for Five Thousand (\$5000) Dollars, payable to the County Commissioners of Baltimore County, as a guarantee that the successful bidder will sign the contract.

A bond for an amount equal to the amount of the bid of a Surety Company satisfactory to the Commissioners will be required of the successful bidder. A copy of the Specifications, Plans and Drawings will be furnished prospective bidders upon receipt of a certified check for Twenty-five (\$25) Dollars, refund of which will only be made upon receipt of a bona fide bid and return of the specifications and drawings to the office of the Chief Engineer of the Baltimore County Metropolitan District within ten (10) days after the opening of the bids and award of the contract. No specifications or drawings will be issued after August 3, 1928, next. Specifications and drawings can be seen at the office of the Chief Engineer of the Baltimore County Metropolitan District, Towson, Md., after July 25, 1928.

Consideration will be given bidder's experience (must be stated in or attached to the bid), financial standing and reputation for having done successful work of the kind specified, without controversy or litigation, and the Commissioners reserve the right to reject any or all proposals or bids, or proposals or bids that contain items exceedingly high or low, or to accept any proposal or bid, or to waive technicalities as they may deem best for the interest of the county.

BY ORDER OF THE BOARD.

A. E. WALDEN, Chief Engineer.
JOHN R. HAUT, Chief Clerk.

Bids close August 20, 1928.

Water Works and Sanitary Sewers

Chesterfield, Virginia.

Sealed proposals will be received by the Board of Supervisors of Chesterfield County, Virginia, at the Court House, for furnishing all labor, materials and equipment and constructing a Water Works and Sanitary Sewerage Systems, as per plans of Engineers, in and for the Water and Sewer District of Ettrick, Va., until 10 A. M. August 20, 1928, at which time they will be opened and read publicly.

The principal items of work are approximately as follows:

48 Feet of 14-inch Cast-Iron Pipe.

1,775 Feet of 10-inch Cast-Iron Pipe.

3,200 Feet of 8-inch Cast-Iron Pipe.

6,400 Feet of 6-inch Cast-Iron Pipe.

48 Feet of 4-inch Cast-Iron Pipe.

2,100 Feet of 1½-inch Galvanized Steel Pipe.

6,300 Feet of 2-inch Galvanized Steel Pipe.

21 Fire Hydrants.

36 Valves.

17,190 Feet Sewer Pipe.

Accessories to Water and Sewer Systems.

Bids must be accompanied by a certified check on a bank satisfactory to the County Officials, or a bidder's bond acceptable to the County Officials for five (5%) per cent of the amount of the construction bid, drawn to the order of the Board of Supervisors of Chesterfield County, Virginia, which will be forfeited to the county in event the county accepts bid and bidder fails to execute contract and surety bond within ten days after award. Checks or bonds of unsuccessful bidders will be returned to bidders.

All bids will be compared on basis of the Engineer's estimate of the amount of work to be done. Copies of specifications may be obtained from the Engineers or County Clerk upon receipt of \$5 deposit, which amount will be returned to bona fide bidders.

Plans may be seen at the office of the Engineers or the office of the County Clerk, or a set will be furnished by the Engineers upon payment of \$10, which amount will NOT be returned.

The right is reserved to reject any or all bids, or to award contract to any bidder or bidders in part or as a whole, as considered to the best advantage of the county.

CHESTERFIELD COUNTY, VIRGINIA.

CHAS. C. REED, Chairman.

PHILLIP V. COGBILL, Clerk.

J. B. MCCRARY ENGINEERING

CORP., Engineers

Atlanta, Georgia.

Bids close August 15, 1928.

Gravity Water Works System

Purcellville, Virginia.

Bids are invited until 8 o'clock P. M., Wednesday, August 15, 1928, on furnishing all materials and labor and building a gravity system of water works for the Town of Purcellville, Va., comprising the following:

A water distribution system and appurtenances.

A 60,000-gallon steel tower and tank (130 ft.-6 in.), with foundations.

A 2,000,000-gallon steel reservoir, with foundations. (Alternate bid on a 1,000,000 reservoir.)

A system of gravity mains and appurtenances.

Two intake dams, cribs and pools.

The above includes approximately:

34,587 feet of 6-inch cast-iron mains.

7,841 feet of 4-inch cast-iron mains.

6,730 feet of 2-inch galvanized iron mains.

24 fire hydrants.

13 6-inch gate valves.

13 4-inch gate valves.

7 2-inch gate valves.

4 automatic air release valves.

1 automatic altitude controlling valve.

Each bid must be accompanied with a certified check or cashier's check (not a bidder's bond), payable to the Town of Purcellville, and which will become a forfeit to

the said town in case contract be not entered upon and indemnity bond executed within ten days after the award has been made.

The bidder to whom the contract may be awarded will be required to execute an indemnity bond in the amount of the contract with some satisfactory guarantee company (no private bond will be accepted) to guarantee the proper performance of the contract.

Plans and specifications may be examined at the Town Office in Purcellville.

A copy of both plans and specifications may be had FROM THE MAYOR ALONE on receipt of a check for \$10.

This check will not be returned to any party who has not submitted a bona fide bid and returned the plans and specifications in good order, both before the date set for closing bids.

The Town of Purcellville reserves the right to reject any or all bids or to let the contract by items or groups of items.

A. N. ADAMS, Mayor.

J. V. NICHOLS,

Chairman Water Committee.

Engineers:

THE AMBLER ENGINEERING CO.,

Richmond, Va.

Bids close August 13, 1928.

Concrete Curb and Gutters

Easton, Md.

Sealed proposals will be received at 1.30 o'clock P. M. on the thirteenth day of August by the Mayor and Council of Easton, Md., for the construction of about 4200 lineal feet of Concrete Curb and Gutters.

Proposal blanks, contract and specifications may be obtained from the Town Clerk or Town Engineer. A certified check for \$100 (One Hundred Dollars) must accompany each bid. The right is reserved to reject any or all bids.

RICHARD GOLDSBOROUGH,

Town Clerk.

E. G. KASTENHUBER, JR.,

Town Engineer.

Bids close August 8, 1928.

Linoleum, Electric Wiring and Fixtures

DEPARTMENT OF EDUCATION

OFFICE OF THE

BOARD OF SCHOOL COMMISSIONERS

MADISON AND LAFAYETTE AVENUES

Baltimore, July 25, 1928.

Separate Sealed Proposals, in duplicate, addressed to the Board of Awards of Baltimore City, will be received at the office of the City Register, City Hall, Baltimore, Md., until 11 o'clock A. M. Wednesday, August 8, 1928, endorsed as follows:

"Proposals for Furnishing and Installing Linoleum in School No. 65 for the Department of Education."

"Proposals for Electric Wiring and Fixtures for Group No. 3 for the Department of Education."

Each bid for furnishing and installing linoleum must be accompanied by a certified check of the bidder for \$150, and each bid for electric wiring and fixtures must be accompanied by a certified check for \$250, each check made payable to the Mayor and City Council of Baltimore, and drawn on a clearing-house bank.

Specifications for either of the above may be obtained at the office of the Chief of Maintenance and Operations of School Buildings, Lafayette and Carrollton Avenues, on and after July 27, 1928, on deposit of five dollars for each set of specifications, which amount will be returned upon surrender of the specifications.

The successful bidder will be required to give bond for the faithful performance of his contract in an amount equal to the contract price and to comply with the City Charter respecting contracts.

The Board of Awards reserves the right to reject any or all bids.

JOSHUA R. JOLLY,

Acting Secretary Board of

School Commissioners.

Approved July 25, 1928.

HOWARD BRYANT,

Acting President Board of Awards.

Bids close August 7, 1928.

Road Construction and Material

Bastrop, La.

The Police Jury of Morehouse Parish will receive bids up to 2 P. M. Tuesday, August 7, at Bastrop, Louisiana, and at that time and place publicly open and read, proposals for construction and materials for the construction of a 2½-mile extension to the Shelton Highway, beginning at Shelton at the Frost Lumber Industry's plant and extending northward approximately along the present public road.

Also for the furnishing of approximately 2000 yards of washed gravel or, as an alternate, 3000 yards of sand-clay gravel for said construction.

Information governing manner of submitting proposals, terms of payment and proposal blanks for submitting bids on the above work may be secured upon application at the Parish Engineer's office at Bastrop, Louisiana. A certified check in the amount of 5% of the amount bid must accompany each proposal and a surety bond in the amount of 50% of the total amount bid will be required when contract is awarded.

J. LESTER WHITE,
Parish Engineer.

J. W. BRODNAX,
President Police Jury.

Bids close August 10, 1928.

New Supply Mains

WATER DISTRIBUTION DIVISION
Dallas, Texas.

Sealed bids or proposals addressed to the Mayor and Board of City Commissioners of the City of Dallas, Texas, and endorsed "Proposal for Cast-Iron Pipe," "Proposal for Concrete Pressure Pipe" or "Proposal for Steel Pipe," as the case may be, will be received at the office of the City Secretary until 10 A. M. August 10, 1928, and then publicly opened and read, for the furnishing and laying of pipe lines, together with appurtenances, in the following amounts:

52,460	linear feet of 36-inch for 300-foot head.
21,900	linear feet of 36-inch for 200-foot head.
3,000	linear feet of 30-inch for 300-foot head.
21,990	linear feet of 30-inch for 200-foot head.
3,300	linear feet of 24-inch for 300-foot head.
6,900	linear feet of 24-inch for 200-foot head.
3,600	linear feet of 18-inch for 200-foot head.
2,500	linear feet of 16-inch for 200-foot head.

This material and laying of lines shall be done in accordance with plans and specifications on file with J. R. John, Engineer of Water Department, copy of which may be obtained on deposit of a cashier's check of \$25; this check will be returned on return of plans and specifications.

Bids to be received on all lines covered by these plans and specifications as follows:

1—Bids will be received separately for furnishing material used in construction of the lines.

2—Bids will be received separately for taking of material from the yards designated by the City of Dallas and constructing line.

3—Bids will be received for furnishing all material and constructing lines according to the above-mentioned plans and specifications.

With each bid there shall be submitted a cashier's check on any State or National bank of the City of Dallas in the amount of 5% of the total sum bid, made payable to the Mayor of the City of Dallas, said check to be returned in accordance with specifications.

The city reserves the right to reject any or all bids.

M. G. JAMES, City Secretary.

CLASSIFIED OPPORTUNITIES

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

FOR LEASE OR SALE

Large deposits of Iron Ore, Oolitic Limestone, Fluor Spar and Zinc, Quartzite, Sandstone, Glass Sands. On Railroad; adjoins gas field; labor of a good class; low price. In Western Kentucky. W. S. LOWERY, Salem Star Route, Marion, Ky.

TIMBER AND TIMBER LAND

FIVE THOUSAND ACRES land bordering on railroad. Good growth young timber. Fine hunting preserve. Price \$8 per acre. BOX 106, GREELEYVILLE, S. C.

TIMBER BARGAIN

9000 acres oak timber, four miles from B. & O. Railroad. Tract will average 6000 per acre. Real bargain for quick sale, price \$6.00 per acre in fee. For complete description write, NORMAN W. BURGESS, Realtor, Lexington, Va.

FOR SALE—28,000 acres land in North Florida, with a minimum of 25,000,000 feet mixed hardwoods, 12,000,000 feet Long-leaf Pine, 200,000 poles, 20 crops turpentine now in operation and 15 more available. Situated on railroad and is now a revenue producing property. Price in fee, \$10.50 per acre, cash. Address P. O. Box 2884, St. Petersburg, Fla.

TIMBER OPERATION

SAWMILL FOR SALE OR LEASE
Capacity five thousand feet daily. Twelve million feet of timber available. P. O. Box 1211, Tampa, Florida.

FARM, FRUIT AND TRUCK LANDS

ARKANSAS

1800 ACRES, within 6 miles of Monticello, County Seat of Drew County, Arkansas, in one of the most prosperous and progressive communities in Arkansas. Half of this acreage is free from stumps and ready for immediate cultivation. The remainder is woodland. There is quite a lot of fine merchantable timber, consisting of oak and hickory. Well served with good highways and all neighborhood conveniences. Close railroad facilities. Soil is very fertile. No waste land. This land is easily worth \$50 per acre. A very attractive price will be made for spot cash. Title perfect. Write D. W. WATSON.

1183 Broad Street, Newark, N. J.

ARKANSAS

2200 ACRES in Jefferson County, Arkansas, between Little Rock, the State Capital, and Pine Bluff, on the famous "Dollars" hard-surfaced highway. The Missouri Pacific railroad runs through the acreage. Large timber has been taken off, but there is almost enough merchantable timber remaining to pay for the land. Ideal for subdivision into small farms suitable for truck, poultry, dairying, fruit and hogs. Good soil that will produce abundantly; 95% tillable; no rock or waste land. Will make very attractive spot cash price for quick sale. Title perfect. Write D. W. WATSON, 1183 Broad Street, Newark, N. J.

CUBA

CUBA, THE TROPICAL PARADISE.
Now is the time and this is the place. Wonderful opportunities for the man who knows. Best farm lands near Havana; crops all the year around. M. A. Alvarez, Realtor, P. O. Box 2524, Havana, Cuba.

LOUISIANA

50,000 ACRES; practically all in one body; above all menace of overflow from any direction; splendid agricultural land and 95% of the entire acreage is cultivable; very favorable oil and gas territory; there is large production from 9 to 12 miles east of the acreage; the Nacotash oil sand is under this acreage at a depth of from 2000 to 2200 feet from the surface, making it deep enough for heavy production, but not too deep for economical drilling.

An offer of \$25,000 has been made for the remaining merchantable timber on the acreage; responsible parties have offered to lease the acreage for oil and gas for a term of five years and pay a bonus of \$1 per acre per year, and in addition thereto will pay a royalty of 12½% of all oil produced on the acreage.

This is a magnificent opportunity either for straight investment, with evident assurance of an advance in value of the acreage; for colonization purposes, for a large ranch, and particularly can it be effectively used as the nucleus for the promotion of a strong oil company.

The price is \$7.50 per acre cash, as is; at this price the land is almost a gift; the title is perfect and incontestable; this acreage is located in Evangeline and Allen parishes, Louisiana, in Townships 2, 3, 4 and 5 south, and Range 2 and 3 west; will sell in blocks of 10,000 acres or more.

For more accurate information concerning the acreage interested parties may address

D. W. WATSON,
1183 Broad Street, Newark, N. J.
Phone Terrace 6366.

FLORIDA

RICH, PRODUCTIVE SOIL, in a community of prosperous farms. Large or small acreage units. Prices and terms attractive. For full details address

WEST DAYTONA DEVELOPMENT CO.,
Owners of Craig Farms,
P. O. Box 614,
Daytona Beach, Fla.

SUMMERTIME IS BARGAIN TIME

Yes, the Slump is Over, but no advance in prices. Send today for free Special Summer Bargain list of Groves; also Farms, Homes and Investments. We have better values today, we believe, than we have had in our more than 15 years in business. Tampa-West Coast Realty Co. (Inc.), Opp. Postoffice "Since Before the War," Tampa, Florida.

MISSISSIPPI

FOR SALE—12 farms, with improvements (aggregating 1600 acres), suitable for any Southern grown crops; dairying, too; terms to suit purchasers; Northeast Mississippi. T. M. HARRIS, Houka, Miss.

NORTH CAROLINA

FOR SALE—Ten farms, with improvements (aggregating 2800 acres), suitable for tobacco, cotton, peanuts, corn and other crops. Terms to suit purchasers; 350 acres suitable for nursery or stock farm. La Fayette Life Insurance Co., Lumberton, N. C.

If interested

FOR HOME OR FOR INVESTMENT
In the great and rapidly developing STATE OF NORTH CAROLINA, especially in its leading city, Charlotte, or in a Southern Cotton Mill or Southern Mill Stocks, write to

F. C. ABBOTT & CO.,
Realtors and Investment Bankers
Nearly thirty years in Charlotte.

BUSINESS AND INVESTMENT PROPERTIES

TO THE BUSINESS MAN OF FORESIGHT
Invest in Sumter property; the most progressive industrial and agricultural section of the State of South Carolina. Many new plants now under construction. Recently selected as the best location by one of the largest hardwood manufacturers in the South. Write for information in detail regarding the property described below. Lot on Main Street, the Lafayette Highway (the shortest route between Raleigh, N. C., and Savannah, Ga.), in the heart of the best business section. Frontage 94.8 feet, depth 226 feet; alley in rear to street parallel to Main Street. JAMES CUTTINO, Sumter, S. C.

BUSINESS AND INVESTMENT PROPERTIES**ATLANTA WAREHOUSES.**

We own five warehouses, with sixteen hundred feet of private Southern Railway siding. Have concrete floors from railway to loading platform on hard rock road. Buildings have new roof and paint. Outside city limits. For lease or sale.

LINDSEY HOPKINS, Owner,
P. O. Box No. 830, Atlanta, Ga.

BUSINESS OPPORTUNITIES

CAPITAL WANTED. Reliable contractor wants partner with capital for construction work, such as paving, sewers, concrete, drainage, water works. Box 917, Sanford, Fla.

WANTED—A man to finance stock company; have large acreage standard Fullers Earth. You operate, controlling all expenditures and your investment; references. If interested address SKUNA VALLEY STORE, Bryant, Mississippi.

FOR SALE—Going concern having offices in New York City and Boston, Mass., manufacturing a very high-grade line of Children's Playground Equipment, Toys, etc., with established trade in the largest department stores in the country. A money maker from the start; only reason for selling the broken health of owner. An unusual opportunity for a young man with ambition and business ability. The present owner will retain a silent interest with the right man if desired. Will stand fullest investigation. Address Box No. 625, Orlando, Florida.

IS YOUR BUSINESS as profitable as you think it should be? A business manager who has been connected with three very large manufacturing companies in an executive capacity for the last twenty-three years will soon be ready to consider a new connection. Compensation based on a percentage of savings made and profits added. No salary or drawing account required, provided an examination of your business shows possibilities. All replies will be considered confidential. Address No. 6929, care of Manufacturers Record, Baltimore, Md.

PUBLIC UTILITIES WANTED

HAVE CLIENTS with money to invest in public utilities, electro-power plants, water-works systems and ice factories. Write George B. Baskerville, Cons. Engineer, 1616 Tenth Avenue, South, Birmingham, Ala.

INDUSTRIAL CHEMIST

INDUSTRIAL CHEMIST for large corporation, with well-equipped private laboratory, desires analytical and consulting work for organization that does not maintain resident chemist. Address No. 6932, care of Manufacturers Record, Baltimore, Md.

INDUSTRIAL SURVEYS

ENGINEERING REPORTS on resources of cities and towns. Recommendations for industrial development made by specialists in locating industries.

TECHNICAL SERVICE COMPANY
Woolworth Building New York City

INDUSTRIES WANTED

DO YOU WANT TO LOCATE in a live city—1200 population? Five thousand unemployed women within a fifteen-minute distance. Cheap power. Good roads. Will invest and give you a site. **CHAMBER OF COMMERCE**, Ball Ground, Ga.

INDUSTRIAL PLANTS**FOUNDRY FOR SALE.**

Fully equipped and operating, with an annual volume of \$75,000; located in Eastern Tennessee. Will sell entire business at a very low figure. Address No. 6941, care of Manufacturers Record, Baltimore, Md.

WRITE FANTUS for factories anywhere. Wonderful values in buildings or equipped plants. Valuable industrial sites free of cost to established industries. For America's best buys, address Fantus Factory Locating Service, 139 North Clark Street, Chicago.

INDUSTRIAL PLANTS**ICE PLANT**

20 tons capacity, practically new, in Virginia town close to new National Park, offered for sale at low price by owners. B. E. Wheeler & Co., Charlottesville, Va.

FOR SALE—Double distillery plant, fully equipped; 20 buildings. Could not be duplicated for less than one-half million dollars. This equipment can be sold as junk and principal buildings and power plants used for many kinds of manufacturing purposes and distributing warehouses. Located near center of large city in the Ohio River Valley. For full particulars and special price address

WILLIS E. WATERMAN,
209 Crescent Avenue, Buffalo, N. Y.

FACTORY SITES

FACTORY SITES and acreage in Piedmont Section. Mill locations.

HUGHES T. REYNOLDS,
304 First National Bank Building,
Rome, Georgia.

FREE FACTORY SITE IN SOUTHERN CITY

An ideal factory site adjacent to railroad in Waycross, Georgia, will be given free to an old-established manufacturing enterprise which wishes a splendid location in fine distributing center for trade in Southeastern United States and Central and South American markets. No promotion purposes will be considered. Address J. S. B. MOYER, Room 210 Masonic Temple, Jacksonville, Florida.

WE HAVE FOR SALE at Charlotte, N. C., approximately ten acres of land, including railway sidings on both Seaboard Air Line and Southern Railway. On this property is a large two-story brick building suitable for manufacturing or storage warehouse, also other large frame buildings, brick office building. All main buildings sprinklered.

At Columbia, S. C., about five acres of land, with Southern Railway, Seaboard Air Line and Atlantic Coast Line Railway sidings; several large brick warehouses and mill buildings, brick office building. All buildings sprinklered.

Both of these properties are well situated within these cities and we would name low prices on same. Address

KERSHAW OIL MILL,
Kershaw, S. C.

PATENT ATTORNEYS

FREE "PATENT PARTICULARS"
Sterling Buck, over 21 years Registered Patent Attorney. Prompt and thorough services. Suite M. 629 F. Washington, D. C.

PATENTS—Booklet free. Highest references. Best results. Promptness assured. WATSON E. COLEMAN, Patent Lawyer, 724 Ninth St., N. W., Washington, D. C.

PATENTS—TRADEMARKS—COPYRIGHTS
Charlotte office convenient to South. PAUL B. EATON, Registered Patent Attorney, 406 Independence Building, Charlotte, N. C. and 903 Grant Place N. W., Washington, D. C.

SALES REPRESENTATIVES WANTED

MANUFACTURERS' AGENTS WANTED. Responsible representatives wanted for a building specialty used in hospitals, hotels, etc. Address No. 6938, care of Manufacturers Record, Baltimore, Md.

WELL-KNOWN MANUFACTURER of centrifugal pumping machinery is desirous of obtaining live Southern representation. Only men well established in their trade and community will be considered. They must intensively cover both industrial and engineering offices and be competent to give engineering advice as well as to take orders. We are now represented in Florida, Louisiana, Kentucky, Tennessee, Maryland and Oklahoma. All other Southern States are open territory. Our line includes a wide variety of pumps for general water supply, sewage pumping, boiler feeding and heating. Address No. 6934 care Manufacturers Record, Baltimore, Md.

AGENCIES WANTED

CLEVELAND TERRITORY desired by salesman with successful record. Only glit-edge proposition considered. Address No. 6936, care Manufacturers Record, Baltimore.

SALES ORGANIZATION wants to represent manufacturers of building and construction specialties supplies for Southeast. Address P. O. Box 366, Birmingham, Ala.

BIRMINGHAM, ALABAMA, DISTRICT.

Manufacturers selling this district. We can handle your product economically on break-bulk shipments. Our warehouse is fireproof and centrally located. We know all the details of reshipping and office force competent to keep records correctly. Can also furnish any bond required. Address No. 6937, care of Manufacturers Record, Baltimore, Md.

SITUATIONS WANTED

BUILDING CONST. SUPT., experienced all classes building construction; can handle any size job; best references. Available now. No. 6942, care Manufacturers Record.

MEN WANTED

SALESMAN WANTED—Our proposition offers greater earning possibilities to the real salesman than is offered to him in most any other line. A credit and collection service with a bonded recovery obligation. American Security Credit Company, General Offices, St. Louis, Mo.

WANTED—Asst. Supt. of Water Department. In addition to being general assistant to the superintendent, the assistant must be a capable bacteriologist, as the city maintains water and milk testing laboratory as a part of the water department. Applicants will please furnish complete experience record, references and salary expected. Apply to EARL WHEELER, City Manager, Daytona Beach, Florida.

IF YOU ARE OPEN to overtures for new connection and qualified for a salary between \$2500 and \$25,000, your response to this announcement is invited. The undersigned provides a thoroughly organized service, of recognized standards and reputation, through which preliminaries are negotiated confidentially for positions of the caliber indicated. The procedure is individualized to each client's personal requirements; your identity covered and present position protected. Established seventeen years. Send only name and address for details.

R. W. BIXBY, INC.,
103 Downtown Bldg., Buffalo, New York.

CONTRACT WORK WANTED

PLATE WORKING MACHINERY—a complete line.

General and Special Machinery.
Castings: Grey Iron and Semi-Steel, any size up to 40,000 lbs.
Brass, Bronze and Aluminum to 10,000 lbs.
COVINGTON MACHINE COMPANY, INC.,
Engineers Founders Machinists
Covington, Va.

MACHINERY AND SUPPLIES

G.E. 40 H.P., 1200 R.P.M., 220-Volt Type MT-336 40 Degree, Slip Ring Vertical Motor, complete with controller and grids. Price \$392.50 F.O.B. Orlando, Fla., if sold at once. Stewart Electric Service Co., Orlando, Fla.

FOR SALE—Four 125 h.p. Brownell boilers; two 11x14 Brownell steam engines; one 4x6½ Sampson high-speed engine; 300,000 common building brick; 100,000 paving brick. The Acme Foundry & Machine Co., Collinsville, Okla.

ICE-MAKING AND REFRIGERATING MACHINERY—New and rebuilt. Our prices on new Waynesboro Refrigerating Equipment and Household Electric Refrigerators very low. Buy direct from the manufacturer. All sizes. Get our prices on your requirements. GEISER MANUFACTURING COMPANY, "Department E," Waynesboro, Pa.

We are specialists

in disposing of complete textile plants and removal of units to other locations. We have a background of varied experience in

**Mill Liquidation
Appraisals
Used Textile Machinery
Mill Properties
Vacant Plants
and
Mill Sites**

We handle large and small transactions.
Consult with us.

H. M. McCORD

505 Fifth Ave.
NEW YORK CITY

Telephone
MURray Hill 4755

161 Devonshire St.
BOSTON, MASS.

Telephone
Liberty 5948

Timber Property For Sale

Timber on 17,500 acres, estimated to be 200,000,000 feet, belonging to Hyde County Land and Lumber Company, located near Swanquarter, Hyde County, North Carolina, will be offered for sale at Swanquarter, by undersigned, under decree District Court of the United States for Eastern District of North Carolina, on

AUGUST 28th, 1928

One of best equipped plants (including 50,000 feet capacity saw mill, shops, office, houses, personal property), in eastern North Carolina.

40% N. C. pine, 25% gum, 20% tupelo, and 15% of cypress and miscellaneous hardwoods. Company owned, standard gauge railroad on property. Shipment may be made by water.

For pamphlet, description, manner and terms of sale, and all information, address:

CLARENCE E. MARTIN

Special Master Commissioner
Peoples Trust Bldg. Martinsburg, W. Va.

MILITARY RESERVATION IN ATLANTA, GEORGIA

To Be Sold By Sealed Bids

AUGUST 22, 1928

LAND: 1.25 Acres.

LOCATION: Northeast corner of Stewart Avenue and Wells Street, County of Fulton, Atlanta, Georgia.

IMPROVEMENTS: Garage—65x108 feet;

Warehouse—65x108 feet;

Shop—24x40 feet;

Storage Shed—22x48 feet;

Heating Plant—17x20 feet.

Railroad and trolley lines are located near the property, and an eight-foot Cyclone fence encloses the entire reservation.

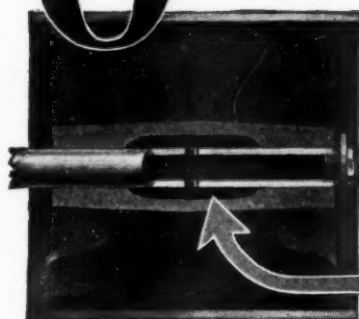
Before submitting their bids, prospective bidders should make a personal inspection of this property, which is particularly adaptable for manufacturing purposes.

WRITE TO THE QUARTERMASTER GENERAL, WASHINGTON, D. C.

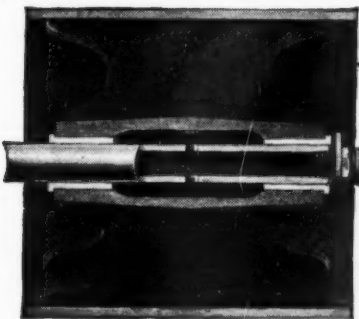
For Specifications of Sale

6 Points of Refinement

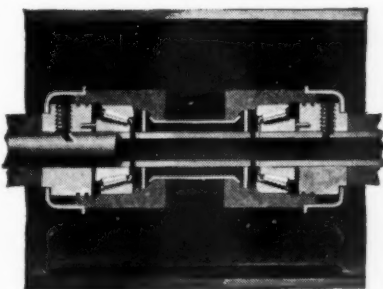
*On All Jeffrey Smooth Running
Wear-resisting Belt Pulleys*



Plain Bearing



Bronze Bushed Bearing



Roller Bearing

1 Bearings are pressure lubricated. Grease under pressure from the inside flows all dirt outward.

2 Recessed grease pockets keep bearings from drying out between oilings. Open feed holes cannot clog up.

3 Pulleys are cast from grey iron with a smooth hard surface, providing a high degree of wear and rust resistance.

4 Open end construction keeps dirt from piling up on bearings. Strongly reinforced against breakage.

6 A type of bearing for every job; plain bearings, bronze bushed bearings, or roller bearings with a labyrinth grease seal.

5 Only five-sixteenths inch clearance between pulleys. Belt cannot sag or cut itself on edge of pulley.



15564-1

Write for
Catalog 409-Z
and prices

The Jeffrey Manufacturing Company
926-99 North Fourth St., Columbus, Ohio

Buffalo
New YorkRochester, N. Y.
PhiladelphiaPittsburgh
Scranton, Pa.Boston
CincinnatiUtica
ClevelandDetroit
ChicagoCharleston, W. Va.
MilwaukeeSt. Louis
DenverSalt Lake City
AtlantaBirmingham
Montreal

Houston

51 YEARS OF SERVICE TO INDUSTRY

JEFFREY

MATERIAL HANDLING EQUIPMENT

Jeffrey Products

Elevators
Conveyors
Portable Loaders
Coal and Ashes Handling Equipment
Skip Hoists
Chains and Attachments
Sprocket Wheels — Gears
Crushers—Pulverizers
Sand and Gravel Handling, Washing and Screening Equipment
Locomotives
Coal Mine Equipment
Tippie Equipment
Ventilation Fans

Piling up the Proof

THERE can be but one reason for the ever increasing sales of Thew Shovels, Cranes, Draglines and Back-diggers—the users are satisfied and are making money.

In spite of last year's tremendous sales increase, the first half of 1928 shows a large increase in total sales over last year.

April 1928 sales were the largest in 33 years!
May 1928 sales were the largest in 33 years!
June 1928 sales were the largest in 33 years!

AND

"Lorain 75" sales for the first six months of 1928 showed a 62% increase over 1927, which set the previous high record.

Once again we ask—What greater proof of user's profit and satisfaction can be given?

THE THEW SHOVEL CO.
LORAIN, OHIO

THEW

LORAIN 60 AND 75

Shovels, Cranes, Draglines and
Back-diggers
Gasoline, Steam and Electric
Powered



60%
INCREASE IN
SALES!

T
H
E
W

INCREASE in Thew sales is proof of users profit. That Thew Center-Drive Shovels, Draglines and Clamshells are today outstanding leaders is proved by sales increase of 60% for the first four months of 1927 over same period for 1926...and an increase of 40% over any four month period in the entire 32 years Thew has been making Power Shovels and Cranes.

THE THEW SHOVEL COMPANY
Lorain, Ohio
Gasoline, Steam & Electric Powered

Above
Advertisement
Nation's Business—July, 1927

